

DESCRIPTIVE CATALOGUE



SPRINGFIELD ENGINE
& THRESHER CO.
SPRINGFIELD, O.

O. S. KELLY, President.

Late of Whiteley, Fassler & Kelly.

Incorporated 1882.

THE SPRINGFIELD

ENGINE AND THRESHER CO.

MANUFACTURERS OF THE

SPRINGFIELD PORTABLE ENGINE,

NEW SPRINGFIELD VIBRATING THRESHER,

Springfield Pitts Overblast,

HORSE POWERS, GRAIN REGISTERS, ETC.

The best Engines and Threshing Machines in the world.



SPRINGFIELD, OHIO.

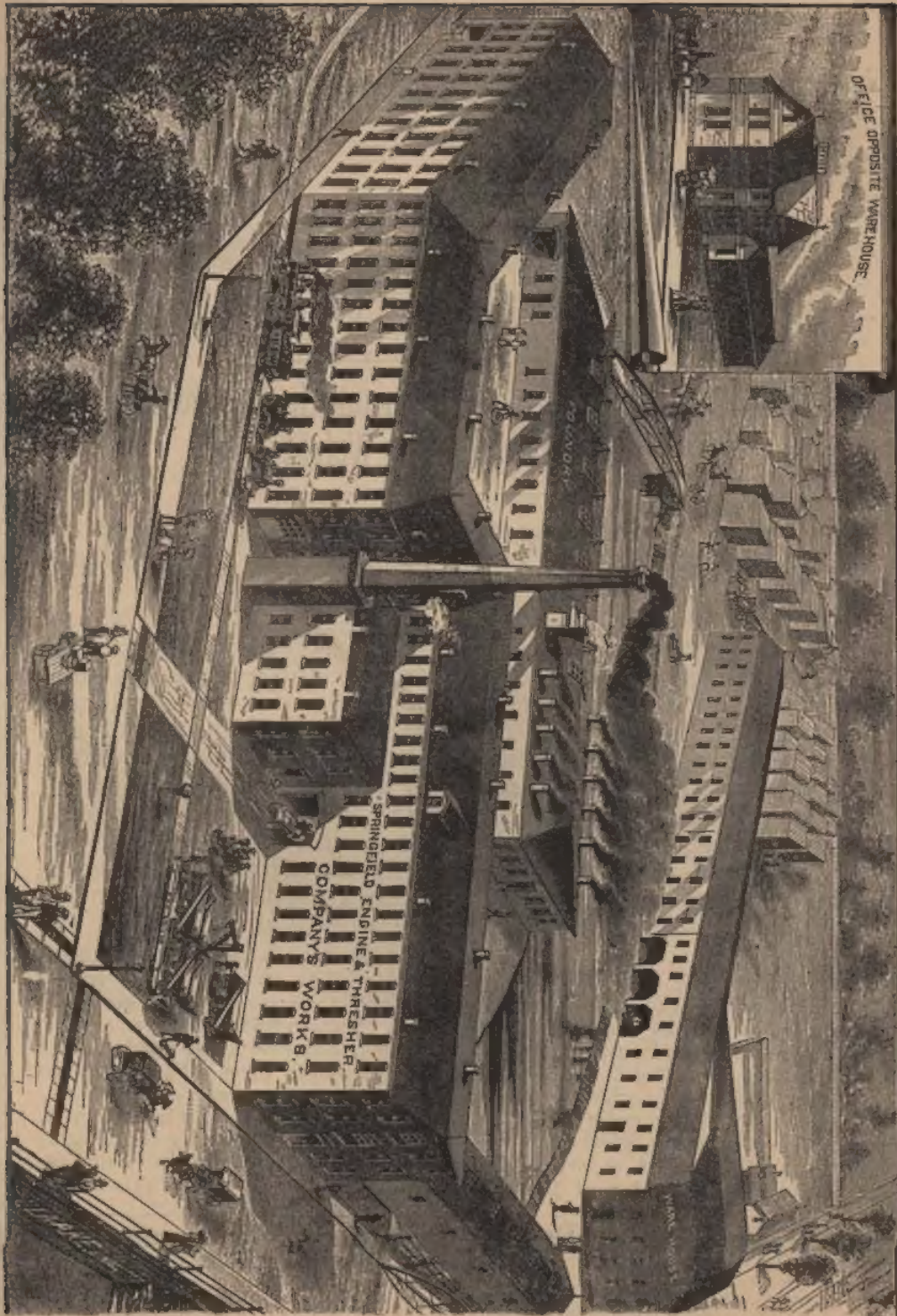
INTRODUCTORY.



THE Springfield Engine and Thresher Company are successors to the business of Rinehart, Ballard & Co., who were for a number of years engaged in the manufacture of threshing machinery in this city, and who were well and favorably known to the trade everywhere. The Company was organized in the fall of 1882, when the above-named firm retired entirely from active business, Mr. O. S. Kelly, late of Whitely, Fassler & Kelly, Springfield, Ohio, widely known as builders of reapers and mowers, becoming President of the Company and general director and head of its business. Mr. Kelly's ripe experience as a manufacturer peculiarly fits him for the position, to the duties of which he devotes a large part of his time, daily. The other members of the Company are also experienced manufacturers and business men; and in brief the organization of the Company is such as to enable it to conduct its large business in the most practical, systematic and thorough manner. It has a large capital and its facilities for manufacturing are unexcelled.

Active operations were commenced by the new Company in greatly enlarging the factories by the erection of new and capacious buildings and additions, by which the producing capacity of the old establishment was increased two fold. The illustration on the opposite page will give the reader a fair idea of the magnitude and appearance of the present factories, including ware houses, office building, etc. They are among the largest in this city of great manufactories, and are equipped with all the latest machinery, etc. The Company has entered largely into a new line of manufacture, that of building farm engines. The engine it builds is fully described in the succeeding pages as are also the threshing machines, horse powers, etc. The Company is thus enabled to provide the threshermen of the United States with the best "threshing rigs," including threshing machines and engines or threshing machines and horse powers, built anywhere in the world, and all of its own manufacture. The Company invites correspondence from all parties interested in threshing machinery or farm engines. Inquiries of all kinds will be promptly and cheerfully answered. On some of the last pages of this pamphlet will be found a number of commendatory letters regarding the machines manufactured by this Company. These were taken, without any effort at selection, from the large number in our possession and are not any more complimentary than those for which it is impossible for us to make room. Send for copy of "Illustrated Thresher," a large 16 page paper, devoted to farm and agricultural matters in general and threshing machines and engines in particular.

OFFICE OPPOSITE WAREHOUSE



The Springfield Portable Engine.

The most Powerful, the most Economical, the most Durable
and the Lightest Weight

FARM ENGINE IN THE WORLD.

On the following pages we give as full description of the construction, chief characteristics and prominent merits of the Springfield Portable Engine as our space will permit. The best test of a portable engine, as indeed of any implement or machine, is actual trial, and we are proud to say that our engine has uniformly given the highest possible degree of satisfaction to purchasers. We earnestly urge upon all interested in the subject of farm engines to read carefully what is said in these pages about the Springfield Engine, which we know to be the very best, most desirable and in every way most satisfactory engine now manufactured.

The portable, or as it is frequently termed, the farm and agricultural engine, has become of recent years an implement to which is attached a very considerable importance. The amount of labor and thought which has been devoted to its development shows the eagerness of inventors, who turned their labors in this direction, to surpass each other in the attainment of practical

results. The portable engine is now not only a success but it is a great success. Those who have labored to make it such, had everything to encourage and stimulate them. They made no mistake in their estimate of the substantial response which, they felt, would be made to their efforts by the farming world, provided they succeeded in producing an implement that would

prove even only partly successful when submitted to practical tests. This is abundantly proven by the fact that the first portable engines which were built were seized upon by the public with the greatest avidity.

The step from a stationary to a portable engine seemed but a short one, yet when it came to the real question of so combining engine and boiler that they could be mounted and thus transported from place to place, it was found to be a step not so easily made.

There are two

GENERAL TYPES

of portable engines, those with upright and those with horizontal boilers. Of these two general types there are many particular kinds, differing from each other often only in minor and non-essential details. All, however, of course claim distinctive features and peculiarities that are more or less meritorious. The first type, the engine with the upright boiler, was soon found to be objectionable and it has now lost nearly all its original friends and adherents. The theory of placing the boiler in an upright position is looked upon, by all practical mechanics, as both impracticable and dangerous. There are engines, however, of this kind yet built, which are still offered to the public. We admonish our friends to beware of them. Avoid them as you would any known and dreaded peril. They are not safe. The only time they can be prudently investigated is when they have no steam in them. Therefore, we say, let them alone. No matter what may be said by interested parties, let them alone. We repeat, they are not safe.

The engine with the

HORIZONTAL BOILER

is the only kind that is perfectly safe, and if you get one that is properly constructed and built with good materials you may rest assured there is no more danger connected with it, with intelligent and proper handling, than there is with a reaper or a mower, or any ordinary farm implement. The only question, therefore, for those to decide, who contemplate buying a machine is, what one of this type is best calculated to meet their requirements.

THE SPRINGFIELD ENGINE.

This brings us fairly to the point we have been gradually approaching. We now take the liberty of saying that we have the best portable engine, in all respects, that has ever been built or heretofore even thought of.

The prime characteristics of the Springfield Portable Engine are,

FIRST:—Its very light weight,

SECOND:—Its great power,

THIRD:—Its astonishing economy of fuel and steam.

We might, with propriety, mention in this connection the fact that it is made of better materials than other engines, that it is even stronger than engines much heavier, that it is simpler in construction and very easy to operate, that it is wonderfully durable and that it is absolutely safe; but we desire to fix the attention of the reader particularly upon the three points we have mentioned. If our engine is so much lighter than others and at the same time gives an equal or greater power and does it with a smaller consumption of fuel and water and with less trouble to the operator, and is safe and durable, all will con-

cede it to be the engine to buy. It is a distinct and exclusive machine and differs very radically from all others of its class.

CONSTRUCTION AND WEIGHT.

The engravings we print herewith will give the reader a very correct general idea of its construction. The impression which it creates in the minds of those who see it for the first time, is that it is light and small for the amount of power it yields. And so it is. In that fact consists the secret of its superiority and desirability as a portable engine. Our ten horse engine for instance, all complete on wheels, with tongue, weighs 4,300 pounds. We do not know of any other portable engine of 10 horse power that weighs less than 5,200 pounds. Others range from that up to 6,500 pounds. This is a very important point, and every one can appreciate its advantage. Those, particularly, who have to move their engines frequently and quickly and those who have to haul them over broken or hilly country or over bad roads, will concede we assume, without argument, the advantage of a light weight engine, provided it gives the same amount of power heavier ones do, saying nothing about the saving in fuel, etc. Owing to this fact there is but little need of a traction engine, as our portable can be transported any place where a traction can go and with really less trouble.

The next question that arises is, "Does the Springfield Engine, being as it is, so much lighter in weight than the ordinary portable engine, actually give the amount of power claimed for it." We answer that it does not only give an equal power to the larger engines but that it gives

MORE POWER

and that too, with a smaller consumption of fuel and water. And why? With this we come to the peculiar construction of our valve and portes, for it is to them the engine is indebted for its great power and consequent value.

VALVE AND PORTES.

We use the valve known as the Obenchain valve. It was invented and patented by Mr. Wash. Obenchain, who is now in our employ, superintending the construction of our engines, giving his entire time and the benefit of his protracted experience in the building of engines of all kinds, to his work. This valve was only produced by Mr. Obenchain after years of assiduous labor and experimenting. He was satisfied the construction of the ordinary slide valve, which is used on most other portable engines, might be so improved that a very great economy in the consumption of steam would be effected. He did not expect to impart new power to steam but he set out with the determination of getting from it all the power it possessed. His aim was to produce the maximum power to the minimum consumption of fuel and water, and to do this he was convinced it was necessary to change somewhat the mode of

APPLYING THE STEAM.

The slide valve, therefore, was his point of attack. The result of his labors was the construction of a valve by the use of which from 25 to 40 per cent. more power can be derived than from the ordinary valve. We cannot here go into a scientific description of the construction of our valve and portes, but we will take space for a few lines

Weight of Pump 8 Horse

Engine must not
exceed 4000 lbs

The cut below was made from a photograph, and it therefore shows the engine as it really appears. It does not, however, show the recent changes and improvements which have been made upon it. Send for copy of the "Illustrated Thresher," which gives an enlarged view of the engine, exhibiting some of its points more in detail, as well as some of the changes for 1883.

After 8 H.P.

B.H. Reed

boiler and
engine in weight

4000 lbs

6



THE SPRINGFIELD ENGINE.

We build these engines of four sizes, 6, 8, 10 and 12 horse power, and will be prepared at all times to fill orders for any of these sizes.

briefly explanatory of their operation. The throw of the valve is three and one-half inches, and the cylinder portes are so proportioned that we get a small amount of cushion from the exhaust, and at the same time have a larger lead to our valve. The valve opens to a wider porte than is usually used, so that in one inch travel of our piston we get on a full head of steam almost instantly. This obviates a serious difficulty that is almost universal in valves having a short stroke. This fact of the quicker opening of the steam porte is an advantage that will readily commend itself to all steam users. In our engines, as will be seen by reference to indicator diagram printed on page 12 (which was taken off one of our engines), and which shows that the top line on the left hand side at end of card is very low, while at right hand side on end it is very high, there is a quick reception and a quick discharge of steam. The perpendicular lines in the card show inches. It is obvious from this that we get a full head of steam (as shown by this card,) in the distance traveled as stated above.

ITS ADVANTAGE.

The one great advantage of our valve, in a word, consists in the long stroke whereby steam is received and discharged instantly, a great saving resulting thereby. The steam is utilized to better advantage and hence less of it is required, which results in an extraordinary economy of both fuel and water, the engine requiring much less of either than any that can be named. In this respect the Springfield Engine is an object of considerable curiosity; people who have been accustomed to running other engines cannot understand why

we use so little. It uses less water than others in the same proportion, and is also very easy to fire. Owners of other engines frequently ask the fortunate possessors of the Springfield Engine: "How can you keep up steam with the damper down half the time, while we have to throw ours wide open, and raise the screen on the smoke-stack to make steam enough." The answer is, the Springfield Engine alone is made to secure these remarkable results.

Our steam valve is entirely free from pressure on its back, hence no power is wasted or lost in working. It has a great wearing surface, therefore it will not wear or cut, as smaller ones are liable to do. The steam portes, as previously stated, are so arranged and proportioned that the steam is used in the most economical manner, and utilized to the best possible advantage. The valve receives its motion direct from the eccentric, thus avoiding all rock-shafts, pins and joints. As the engine does not require as much steam as others on account of the fact that the steam is utilized and applied in the best and most scientific manner possible, as we have just explained, it is clear that a smaller amount only need be generated. Hence a smaller boiler capacity will answer. And all the other appurtenances about the engine and boiler may thus be proportionately smaller and lighter. This abundantly explains why the engine can be so much lighter than all others while at the same time it uses less fuel and yields a stronger and steadier power. The patents for the Obenchain valve are owned by this Company and the valve is used exclusively on the Springfield Portable Engine. It has attained a wide celebrity as the most ingeniously constructed

valve ever produced.

We pass now to some of the other features connected with the engine which will be found worthy of special notice.

One of the most important things about a portable steam engine is

THE PUMP.

They often get out of order, and give all sorts of trouble, so that we have given the matter very careful investigation, and have devised a pump of our own. The pump barrel is bolted to and underneath the cylinder; the plunger is attached to the cross-head of the engine, making a direct connection. It is so well made and adapted to its duties, that in all the engines thus far sold, it has never yet failed to do its duty, but is always in order, ready for work. Usually the barrel of any ordinary pump is considerably larger than the plunger. This is not the case in our pump. The diameter of the plunger is equal, within the thirty-second part of an inch, to that of the barrel, consequently there is no room for expansion, and when the plunger returns into the barrel the water is forced with great power into the heater and the momentum it receives carries it through the pipes of the heater, which it traverses three times, and enables it to easily resist the boiler pressure. The pipes in the heater are heated by the exhaust steam and so effectually; that cold water, after being pumped into them, is heated to 190 or 200 degrees before it reaches the boiler. As this is all done by using

THE EXHAUST STEAM

it is clear that it costs nothing to heat the water. In this connection we de-

sire to remark that the pumping should be regular and constant. No good engineer ever allows his pump to stop. Those who have thoroughly tested our pump are the ones who are most enthusiastic in its praise. We also put on an Independent Steam Pump, which is described under the heading of Improvements for 1883 further on.

THE GOVERNOR.

The governor attached to the Springfield Engine is of the best and most approved manufacture and is always thoroughly tested by us before leaving our factories. Ordinarily the governor attached to the common run of engines is not set in a firm and secure manner. Every governor is more or less top heavy, and unless it is secured firmly it soon becomes shaky. Leakage is therefore inevitable, which should always be avoided if possible. We have devised special and very ingenious provisions for securing the governor and making it firm and holding it steady.

The balls revolve in the same plane.

Our adjustable speed, which admits of the *widest* range of variation, is *far superior* to any other for *close* regulation, as a change of speed brings no extra resistance over the balls, and is not an extra charge as in the case of others

THE STEAM JOINTS.

The steam joints are all faced, and made permanently tight without the use of rubber or soft packing, thereby avoiding what is so *hateful* in the eyes of an engineer, and so *wasteful* to owners: a *leaky joint*.

THE CROSS HEADS

and guides are similar to those on first class locomotive engines, which are

considered the very best in use.

THE CRANK PINS,

crank shafts, guides, valve connections and piston rod are made of the best cast steel.

THE CONNECTING ROD

is what is known as the locomotive style of rod, the best in use.

THE STEAM CHEST.

The steam chest is large and strong and of equal capacity with the cylinder. Those builders who claim to do away with the steam chest always resort to the use of something else which is practically the same as the steam chest

PISTON PACKING.

Our piston packing consists of three sets of rings, one set being full width of piston and so cut that it bears on four springs, resting on four screws. The other two sets are cut but once and slipped over this under set, making a piston packing that can be relied upon as efficient and satisfactory and one that will insure an equal wearing of the cylinder, from end to end, obviating a difficulty that arises when parties use a packing that is claimed to regulate itself.

THE STEAM PIPE

connecting the engine and boiler is very short and direct. We take steam from the top of the dome, and the connections between dome and steam-chest are such as always insure dry steam, thus saving largely both fuel and water.

THE BOILER.

The boiler is made of the best charcoal hammered iron (C. H. No. 1) for the shell, and the best flange iron for the heads. The fire box has an arched

top and is thoroughly stayed, both at the top and bottom, to the outside, by means of stay bolts, which are both screwed into the plates and riveted.

Some builders claim particular excellence in the large size of their fire box. It is not, however, a matter of preference with them, but of necessity. Their engines require the evaporation of so much water that a large fire box is indispensable, and they get their ten-horse power engines, because of it, to weigh so heavy. While all the steam needed for our engine is made with a much smaller fire box, and with much less labor to the fireman, because of the less quantity of water used in our improved engine. Small as our fire box is, compared to others, it is more than sufficient for the purpose.

SMOKE STACK.

We use a short smoke stack, and have greatly improved the manner of fastening and carrying it. While just as good and efficient as the longer ones, it is more convenient, and much less liable to injury from breaking off at the hinges. On ordinary smooth roads, the engine may be moved without letting the stack down at all. It is very easily lowered when that becomes necessary on account of the roughness of the road.

CAN BE BOUGHT ANYWHERE.

All check and globe valves and in fact all fittings connected with the pump are fairly in the market and can be secured at any place where there is a dealer in that line of goods. The prices are all well established and are uniform all over the country, so that in case of accident of any kind to any of them the owner need only send to the nearest town and get, for a small cost,

just exactly what he wants. The advantage of this arrangement is apparent. Ours is the only engine built that permits of the use of the ordinary valves, etc. In case of accident to other engines the owners must stop work and wait till they can send to the factory, perhaps hundreds of miles away, and get the manufacturers' own costly devices, which in no case are as good as those we use.

DUPLICATE PARTS.

All pieces about the Springfield Engine are made to gauges, gigs or templates, so that they can be readily and exactly reproduced at any time. If any repairs other than those above mentioned, should at any any time be needed all that is necessary is to send to us, designating the part or parts wanted, which we will forward at once and which we guarantee to fit and work precisely as the original ones.

EQUIPMENTS.

Each engine is furnished complete, with governor and belt for same, stop valve, steam blower, steam gauge, glass water gauge and gauge cocks, whistle, safety and blow-off valves, brass oil cups, wrenches, flue scraper, rubber suction hose with strainer, all complete and mounted on wheels with heavy wrought iron axles, tongue, neck-yoke, and double-trees, and lock planks, or on skids, as may be wanted, and delivered on cars at Springfield, Ohio. Diameter and width of space of driving pulleys will be changed to suit special cases, where customers desire it, and charged for extra, according to the size.

Without describing further in detail the remaining parts of this engine, we say it is fully provided with every ap-

pliance known to a first class engine, such as an effectual spark arrester, a steam jet to hasten draft, wrought iron axles extending underneath the boiler, tongue, brakes, neck chains, and with steel shaft, slide, wrist-pan, piston-rod and valve-stem, all of steel. Other manufacturers make them of iron.

TESTS, ETC.

Every boiler, after completion, is tested by hydraulic pressure, and both boiler and engine are fired up and tested under heavy pressure of steam, and in actual operation, with a friction dynamometer, before the engine leaves our works, every part being carefully inspected, so that it is entirely ready for work when the purchaser gets it.

We put no fusible plug in the crown sheet, about which many manufacturers say considerable, and for the reason that we will not induce anybody to rely for safety, on such an untrustworthy and dangerous device. Experience has proved how the frost makes these plugs so hard in most cases that the iron will burn before the plug will fuse. They therefore become a deceptive device, bringing about often the very difficulty they are intended to prevent.

MATERIAL AND WORKMANSHIP.

The Springfield Engine is built of the very best material the market affords and by the most experienced and skilled mechanics. Construction is a very important point and we pay the fullest attention possible to it. What we save in weight we expend in securing the finest, most serviceable and consequently the most expensive materials, so as to produce the strongest, most substantial and most durable machine.

Indicator Diagram.

We herewith present for the consideration of practical operators, a Card made by this engine last season. The engine was run with 70 pounds of steam, cutting off at one-half stroke, 205 revolutions per minute; stroke ten inches; cylinder $6\frac{1}{2}$ inches; speed of rod, 341 feet per minute; area of cylinder, 33 square inches; spring of instrument, 30 to the inch.



We hazard nothing in saying that this Card can not be equaled by any other portable engine in the world. And to those who understand the reading of this Card, it will be more conclusive as to the great excellencies of this engine than all we could say in description of it in a dozen volumes.

Changes and Improvements for 1883.

We have made a number of changes, in the line of improvements, in the Springfield Engine for 1883, to a few of which we desire to call attention. Some of these changes we summarize below. The Independent Steam Pump is not, to speak precisely, in the nature of a change. It is an addition. So also are some of the other features. These changes and additions still further enhance the excellencies of our engine. The cost to us of building the engine has been increased, on account of these changes, improvements and additions, fully ten per cent. But they are important and we have no doubt will be fully appreciated.

INDEPENDENT STEAM PUMP.

All of our 8, 10 and 12 horse power engines will hereafter have an Independent Steam Pump of our own build, which has been constructed especially for it. It has been thoroughly tried and tested and is known to be effective. It is simple in construction, and very similar to our regular pump heretofore described, is made of the best materials and will run at any speed. The plunger and valves are so constructed that they cannot be cut out by the use of muddy or gritty water. Neither can the pump be choked by dirt or sediment. It is a straight plunger pump and has no eccentrics, cross heads and bolts, which are constantly getting out of order in what is known as the fly wheel pump. The construction of the latter style of pump is so complicated that it is impossible to keep it in order. Our Independent Steam Pump will be found a valuable addition to the engine.

IMPROVED FIRE BOX.

As the fire box of a farm engine boiler of the locomotive pattern is that part of the boiler most exposed to the action of the fire, it follows that every inch of heating surface should be fully utilized. We have accomplished this by entirely surrounding our fire box with water. Not only has the fire box a water bottom, but a water front. The inside plates and tube sheets are made from the best quality of steel, and the outside sheets of best charcoal hammered boiler plates. Our tube sheets and fire box plates are extra heavy, and braced and stayed as well as the best pattern of locomotive engines. On our small six horse engine we not use the water front

SAFETY VALVE.

We have adopted the latest style safety or pop valve which is an improvement on the old style valve, and which every engineer can regulate, without danger or difficulty.

DOUBLE CAST IRON DOORS.

We have made a considerable change in the boiler doors, and all engines hereafter will be provided with double cast iron doors, hung on a frame, the upper one for ordinary use, such as coaling etc., the lower one for removing clinkers etc. The doors will also be large enough to admit the body of a man, in case it is necessary to enter to get at the flues, etc. The lower doors extend down to a level with the grate bars, and when clinkers etc., are to be removed, these only need to be opened to enable the operator to readily free the grate bars from them.

There are other minor changes for the coming season but we have not the space to refer to them.

RECAPITULATION.

We claim the Springfield Farm or Portable Engine to be the best and most

durable engine now made for the following reasons:

First—It is the lightest in weight.

Second—It uses less fuel and water.

Third—It uses steam to better advantage, and hence requires less of it.

Fourth—It fires easier.

Fifth—It gives a stronger and steadier power.

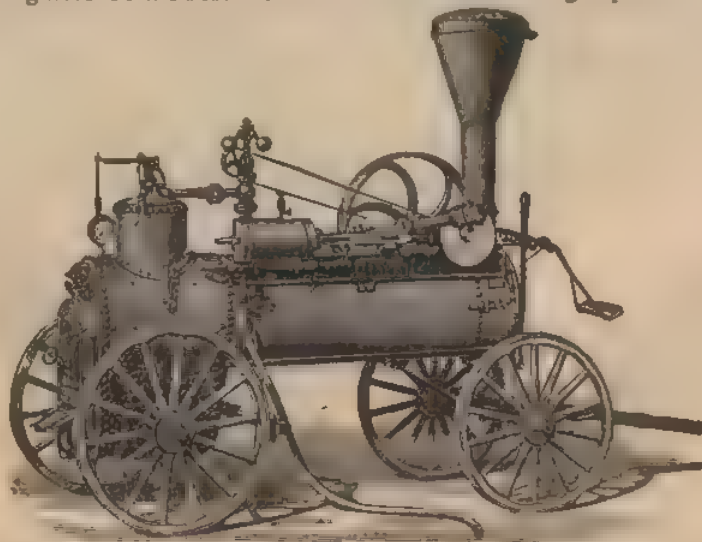
Sixth—It is made with more accuracy.

Seventh—It is made of better materials.

Eighth—It is more durable and stronger than the heavier engines, because it stands up better on its wheels and does not strain the axles.

Ninth—It is much more economical in repairs than any other engines.

Many of these engines have been in constant use for five or six years without a dollar being expended on them.



STEAM THRESHING RIGS.

WE CAN SUPPLY THRESHERMEN WITH COMPLETE OUTFITS
AND GUARANTEE THEM TO BE THE BEST MANUFACTURED.

HAVING given in the foregoing pages such description of our steam Farm Engine as seemed to us best calculated to set forth its numerous advantages over all others, our aim being to arouse a personal interest, on the part of every reader, in the machine, so that he would be disposed to make further investigations for himself, we come now to the subject of Threshing Machines. It is our privilege as well as pleasure to say, before we enter into the subject in detail, that we are prepared to furnish the best threshing machines in the market, just as we are farm engines. Our ability to supply the threshermen of the country with the best complete "threshing rigs," steam or horse power, that can be found anywhere, is a matter in which we take the greatest pride, and we stand ready at all times to demonstrate that ability and to substantiate our claim as the manufacturers of the most durable, the most economical, and the most desirable and satisfactory machines built in the United States. Those particularly, who are seeking full steam rigs will find it vastly to their advantage to correspond with us or call upon our nearest local agents and learn, by personal inspection, all they can about our machines. We court the fullest investigation, and nothing gives us more pleasure than to explain to those sincerely seeking information the grounds upon which our claims for superiority are based. And be it distinctly understood that we make no claim to which we cannot respond.

We build two styles of separators, the New Springfield Vibrating Thresher and the old reliable Pitt's Overblast, both of them tried, tested and approved machines. We are giving special attention to the manufacture of the first named. It is of recent introduction but its success is pronounced and its reputation is already thoroughly established. The attention of the reader is asked to the descriptions of these machines found in the following pages.

THE NEW SPRINGFIELD, THE BEST VIBRATING THRESHER

Manufactured in the United States.

The New Springfield Vibrating Thresher is comparatively a new machine, but in no sense an experiment. The first season it was put into practical use settled the question of its utility, and the two succeeding seasons it has passed through fully demonstrated that it was a machine destined, ultimately, to drive many of its competitors from the field. Introduced in 1880, in 1882 it was already at the front, and doing a class of work that astonished old operators who freely acknowledged that they never expected to see its equal. While it belongs to the vibrating class, it has many points of excellence not to be found in any other machine of that style. It only needs to be examined to show that it is a great advance on all others, and that it possesses new features not heretofore thought of in the construction of threshing machinery.

The demand for this machine the past two seasons was such that the manufacturers were unable to fully meet it. The indications for the coming season point to a still stronger demand. Our advice, therefore, to all parties who wish to get the best machine is to get their orders in early for the New SPRINGFIELD.

GENERAL DESCRIPTION.

In appearance it closely resembles all other vibrating threshing machines, but there the similarity, to a great extent at least, terminates, although, like them, it has separating pans, but in the New SPRINGFIELD these pans are driven by pitmans working in a direct line at right angles from the crank shaft.

Where many manufacturers use but three pitmans we use four. These pitmans are attached to the crank shaft by

means of an adjustable double box furnished with a set screw by which all the wear and loose motion

CAN BE TAKEN UP,

and the bearings kept snug and in perfect order.

The crank shafts are made over a form and are exactly alike, so that they can always be duplicated. The crank shafts are set on substantial iron brackets, and the boxes in which they run are heavy and well babbitted.

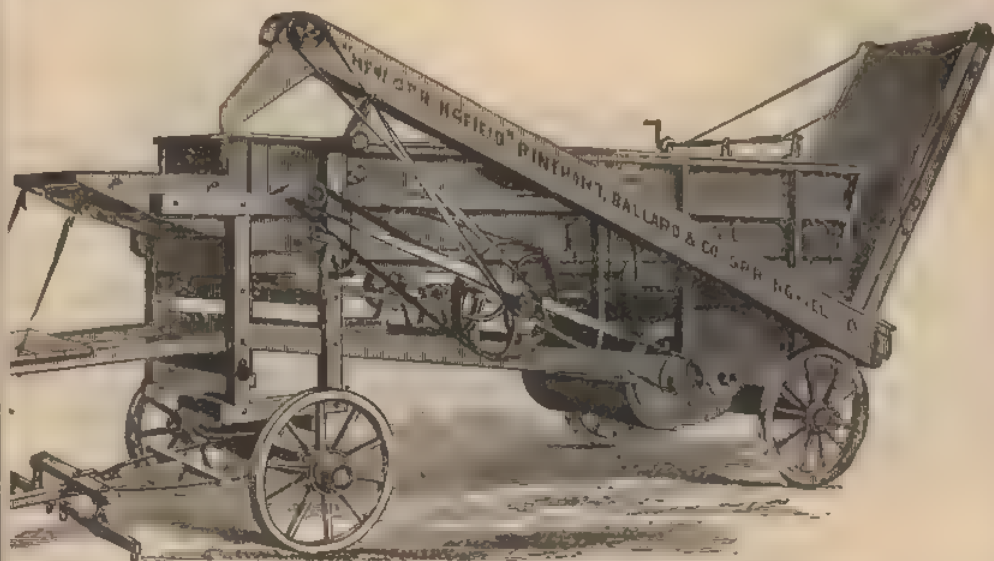
THE FRAME

of the New Springfield is, we think, stronger and better braced than that of Vibrating Machines generally. There are a large number of cross girders, and the sills and plates are made from the best selected lumber.

The cylinders, cylinder boxes, cylinder shafts, concaves and teeth in the New Springfield are the same that have been used so successfully for so many

IRON BEATER.

The objects of this beater are two-fold. First, to take the straw direct from the cylinder as fast as it passes through or under the same—thus doing away with all danger of wrapping around the cylinder, no matter how wet or tough the grain or seeds may be. Second, to check the flying grain which is thrown from the cylinder and to force it down on the separating pans, where



THE NEW SPRINGFIELD VIBRATING THRESHER.

years in the Apron Machines. They are the best that many years of experimenting have produced for the purpose they are intended, that is, for threshing clean from the head without cracking the grain, and with the least possible outlay of power or liability of breakage.

Immediately back of the cylinder is placed a heavy four winged

it will be carried back to the fan and shoe.

Immediately back of the cylinder is placed a heavy iron hanging leaf, which completes the work of checking all flying grain that may have passed under the beater, and forces the grain down on the separating pans. Immediately back of the concave, and under the beater, is the same

WROUGHT IRON GRATE

that has been so successful in the Apron Machines. The object of this is to allow a large portion of the threshed grain to get down through this grate into the separating pans, where it is entirely under and separate from the straw. These devices largely increase the separating capacity of the New Springfield over other machines of the same class by making a

iron, making them much stronger than when part of the rakes are made of wood.

The rakes in the New Springfield are operated by means of a slotted rocker arm. These arms are made heavier at the lower end where connected with the rake head, than formerly. By means of this rocker arm the thresher, using the New Springfield, has perfect and absolute control over the rakes;



VIEW SHOWING STEAM BRACKET.

considerable part of the separation immediately at the cylinder, thus making the work to be performed by the rakes or lifting fingers much lighter than when the whole work of separation is left to them alone.

Like all regular Vibrating Separators, the New Springfield is furnished with

AGITATING FINGERS

or lifting rakes, but in the New Springfield these rakes are all made of

can shift them to throw high or lower, as he may see fit, and what is much more to the purpose, can feel perfectly assured that when he sets his rakes for a certain pitch, they will retain just that pitch until he changes them. The reason of this certainty is because we do not use

EITHER SPOOLS OR STRAPS,

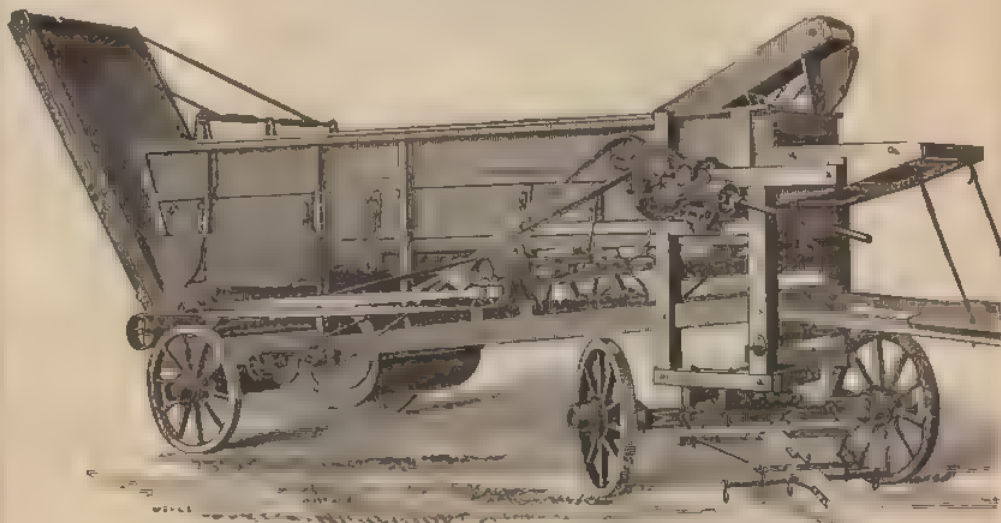
which are all the time slipping and stretching, making it impossible for the

rakes to be set so as to raise to an uniform pitch, as well as for them to retain the pitch at which they were originally set. But one of the

PRINCIPAL ADVANTAGES

of the manner of handling or controlling the rakes in the New Springfield is that instead of being thrown up and then dropping by their own weight, they are thrown down with the same

up that the grain easily escapes from it and falls in the separating pans below. This motion of the rakes is peculiar to the New Springfield. By its use the straw is neither packed down and hurried out of the machine, nor rolled from one set of rakes to the next, until it passes from the Separator in bunches or rolls, but is lightly tossed from one set of rakes to the next, until



SAME, SHOWING SIDE GEARING.

speed and certainty that they are thrown up, that is they throw the straw up and then drop quickly down and are started up, striking the straw again before it reaches the bottom of the pan. Any one can see that this motion of the rakes must necessarily keep the straw in the liveliest agitation, and the straw is kept much lighter, and in no manner "packed down." In fact, it is tossed about and so thoroughly loosened

it reaches the rear end of the machine thoroughly loosened up and passes on to the stacker as evenly as it is fed into the cylinder.

The shoe in the New Springfield for 1883 will be considerably larger than formerly, giving increased size to the riddles, and therefore increasing the cleaning capacity of the machines.

The fan in the New Springfield is overblast, like those in all successful

Vibrating Machines. It delivers a **volume** of wind on the shoe, both over and under the riddles, and cleans the grain ready for market.

THE FAN

in the New Springfield is run direct

THE ELEVATOR

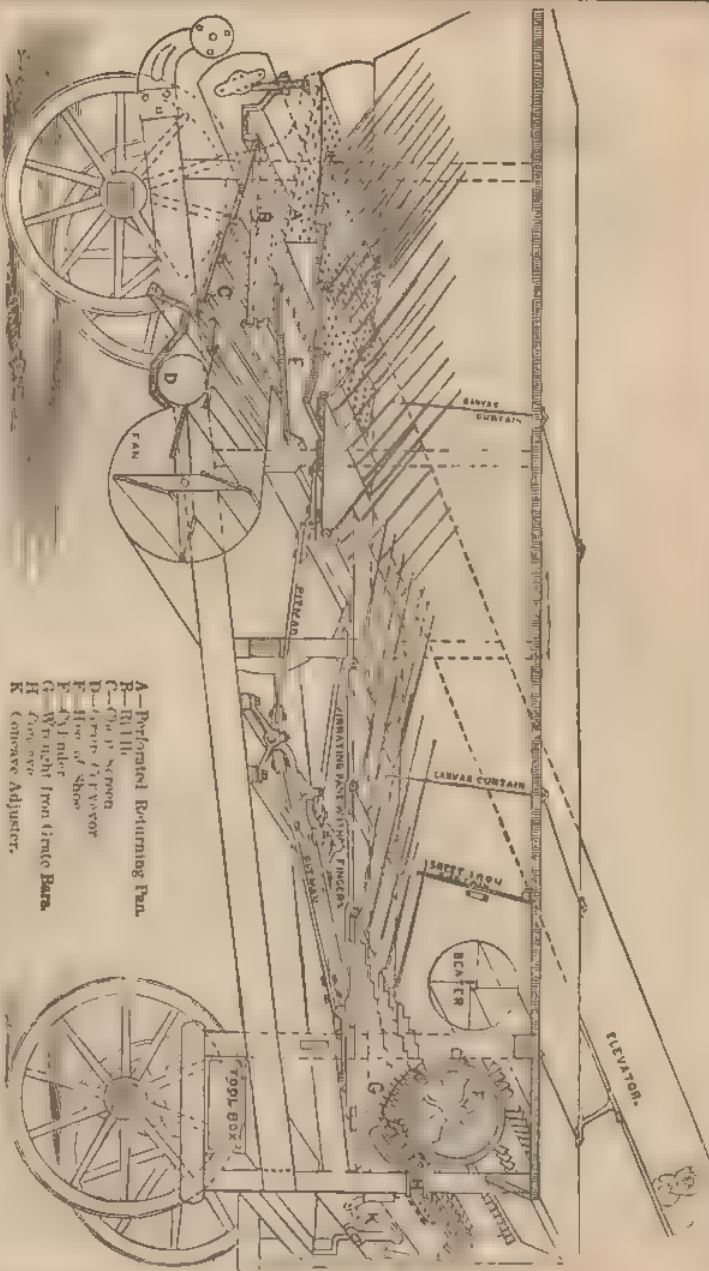
in the New Springfield is of the same pattern and style as the one used on the Apron Machine, with perfect success. The tailings are carried up on the bottom of the elevator, and there.



REAR VIEW OF NEW SPRINGFIELD.

from the cylinder, and is, therefore, in perfect harmony with the cylinder. That is, when the cylinder runs fast in threshing, the fan runs fast, and when the speed of the cylinder is decreased the fan runs slower.

fore the full depth of the elevator is open without any center board, thus doing away with all danger of clogging of elevators. The elevator is long and the tailing spout is short, and carries the tailings direct from the elevator.



- A—Perforated Returning Fan
- B—Belt
- C—Drive Pulley
- D—Drive Pulley
- E—Drive Pulley
- F—Drive Pulley
- G—Drive Pulley
- H—Drive Pulley
- I—Drive Pulley
- J—Drive Pulley
- K—Drive Pulley

SECTIONAL VIEW OF THE NEW SPRINGFIELD VIBRATING SEPARATOR.

The New Springfield is mounted on a first-class wagon, well rigged for short turning, and can be handled conveniently and easily on the road.

We furnish on application, attachments for threshing clover seed, timothy seed, millet seed, or to separate the chaff from the straw.

IMPROVED SPRINGFIELD PITTS DOUBLE-BELT OVERBLAST SEPARATOR.

We continue the manufacture of the well-known and popular Springfield Pitts Overblast Separator. It is a machine that has given solid satisfaction to the trade generally, and in many sections it is preferred to any other style. The recent improvements which have been placed upon it render it proportionately more desirable, and we can assure its many old friends and admirers that we have in no sense neglected it, but that for the season of 1883 it will be found even better than ever.

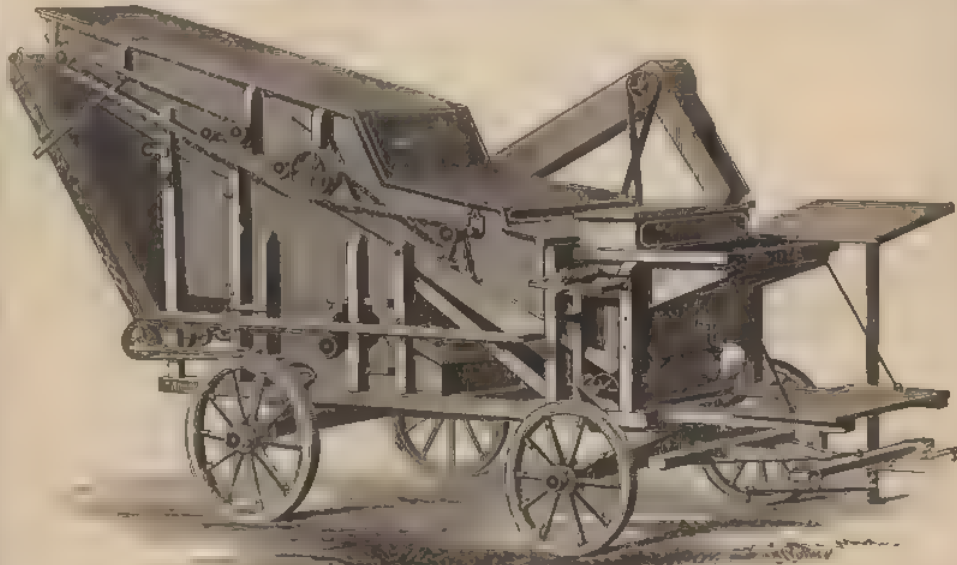
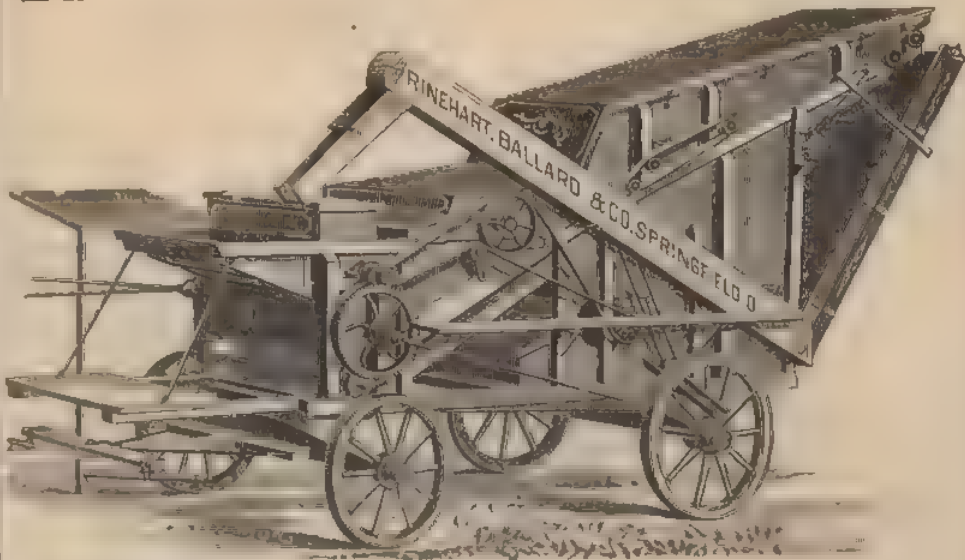
GENERAL DESCRIPTION.

Comparing our cuts with cuts of other belt machines you will see, while they carry the grain belt or apron back to the last perpendicular post in the Separator and only have straw carrier or rattle from rear post to the rear of the machine, we have cut six feet off our grain belt or apron, making it three feet shorter. The only separating done on the grain belt is what is done by the beater, and as we have the same beater we must have the same separation on the grain belt, as machines of the old pattern. Indeed, we claim more from the fact that we put the beater considerably nearer to the cylinder, thus checking the straw earlier in its passage through the machine and having the beater strike it near the cylinder where it is thinner on the belt than it is further back. You will also notice that while we have the grain belt so much shorter than the old pattern we still have the rear end as much elevated as the old style, and the belt turns and drops the grain and chaff

from the cells at exactly the right place, i. e., on the heel of the shoe, just where it will be struck by the blast, and the chaff and dirt carried over the shoe and not dragged back by the return of the grain belt. These advantages, together with the facts that our belt is so much steeper than the old style (being three feet shorter and still as high,) and its having improved cleats over end of grain cells, and extra rollers to keep it firmly in its place, enable us to thresh all day without the dropping of so much litter and trash under the machine as in the old style and sagging grain belt machinery.

THE PRINCIPAL FEATURES

in our new Double Belt Machine are found **back of the grain belt**. We use **two** straw carriers or rattles; the first extends back as far as and considerably higher than the grain belt extends in the old style machines. The straw is lifted from the grain belt and carried on to this carrier by the same



OPPOSITE VIEWS OF THE SPRINGFIELD PITTS.

combination pickers that we have used so successfully in our old machine. This belt is an **entirely open carrier** without any strap in the center, and runs at the rear and elevated end over

ELLIPTICAL PULLEYS.

These pulleys as they swing from the short to the long diameter, keep the carrier in a continual agitation. From this carrier the straw pitches **end first** down to the second or long carrier, and as it reaches this carrier it is caught and again carried upward and backwards, thus thoroughly loosening and shaking out all bunches and giving the wheat a chance to fall down between the slats of the long carrier and be carried back along the return board to the shoe. You will notice that our second or long straw carrier is longer from where the straw strikes it to the rear of the machine than the carrier in any of the old style machines, and is furnished with our improved agitators which never choke or tear the belt.

To recapitulate briefly, we claim :

1st.—That we have as much separation on our grain belt as any other machine because we have the same beater.

2d. We claim the same separating capacity in our second or long carrier as in the complete carrier of any other machine, because it is as long as any and longer than the majority and has as much or more agitation.

3d.—We claim the separating capacity of our short or first straw carrier in excess of any other machine built, because we have same capacity on our grain belt and second straw carrier as in the whole of any other machine.

4th.—We claim the separating capacity of the drop from first to second

carrier in excess of all other machines, and this separating capacity cannot be estimated at less than the short carrier itself. In other words, we claim six feet

MORE SEPARATING CAPACITY than any other machine built.

These are some of our claims for our Apron Separator and we do not see how any practical thresher can examine machine and cuts and fail to agree with us.

We continue to use the over-blast fan which gives us two currents of air on the descending grain. The upper current strikes the grain **while falling** from the return board to the rake head and carries the coarser and lighter part of the litter out **over the riddle**.

The lower curtain strikes the grain at the riddle, effectually performing the work of cleaning the grain without any danger of clogging the riddle or **blowing** over the grain. This fan has been in constant use on our machines for the last fifteen years, and has always given the best of satisfaction. By its use we can greatly lessen the **weight of and strain on** the shoe.

Instead of running our shoe by a side shaft from the fan, we run it from a pitman from the stacker pulley. This pitman is connected with a crank shaft at the side of the shoe.

By using the pitman and crank shaft we dispense with the bevel fan gear, which was always a serious annoyance, very liable to breakage and always making more noise than any other part of the machine. Our riddles are long and wide, thus giving us a large cleaning surface. We run our fan at a lively speed, our aim being to clean by the wind and not by the shake. We claim for this shoe that in connection with

SPRINGFIELD PITTS, THREE-HITCH GEAR.



STACKER UNFOLDED, READY FOR USE.

our over-blast fan it is the

BEST ARRANGEMENT

for cleaning the grain yet produced.

We have tested it thoroughly and we know that it will in all cases fulfill our warrantee.

By examining our cuts you can see that we use but two main belts for driving the different parts of the Separator; and also that the cylinder or main driving pulley instead of being three and three-quarter inches or less in diameter, as in other machines, is in our machine fully five inches in diameter. This obviates all danger of the belt slipping, and also all necessity of having the belt so tight as to cause strain of belting, shafting-journals, etc. We also run this belt down to the fan and thus run the fan in **direct** connection with the cylinder. Every thresherman will see at once the advantage of this connection. When the cylinder runs fast the fan runs fast, and when the cylinder runs slow the speed of the fan is decreased. In short, the cylinder and the fan are in **perfect sympathy** one with the other.

The grain belt in our machine is run from the beater shaft, and the same driving belt runs both of the straw carriers, thus doing away with two belts and their extra pulleys, journals, boxes, etc.

Our stacker is run by a belt from the fan shaft; by so doing we have but one belt connection between the stacker belt and the cylinder shaft instead of two. Hence the less liability to slip. The same remark applies with equal force to the belt that drives the grain belt and straw carriers.

By this arrangement of the belting we are not only able to run our machine with a smaller number of pulleys on the same shaft, as in other machines, as well as with the long shafts themselves, which are always liable to be bent in shipping and wrapping of the belt, etc., besides which they render the Separator unsightly in appearance. Our belting is so arranged that the main driving belts can all be tightened by "tightening pulleys" while the machine is in motion, thus dispensing with the trouble and delay incident to cutting and shortening the belts as in other machines. These "tightening pulleys" are so arranged that they act as "idlers." By such arrangement we dispense with a large number of pulleys and their attendant studs, boxes, journals, shiftings, etc., besides greatly lessening the power necessary to run the Separator.

By making a tight floor or deck under our grain belt we do away with all the

LITTER AND DIRT

under the Separator. This fills a want long felt by threshers, and we are glad to say it is a perfect success as used on our machine.

RIDDLES ALWAYS CLEAN.

We place a small picker at the rear end of the long straw carrier. This picker receives all the straw from the carrier and carries it over onto the stacker. By this means we keep all the long straw off the riddles, and leave them free to attend to their legitimate work—screening the wheat from the chaff and short pieces of broken straw. Threshers will at once see the benefits of this device.

OUR TRACTION ENGINE.

We had expected to show cuts and illustrations fully descriptive of our New Traction Engines, in this Pamphlet, but have been disappointed in getting same. We will be prepared to furnish our customers and agents with very superior inducements in the way of Traction Engines. Our Traction Engines are made of the best material and are fitted throughout with all the most improved features. They each possess compensating Gear by which all the extra strain is taken away from the wheels in turning; have the improved Link motion by which they can be reversed and then started forward again at the will of the engineer. As made for the general trade they will all be intended to be guided by horses, as we consider that style of traction preferable. But on application we will be prepared to furnish with our Geared Traction, Steering Attachments of the most approved pattern. In the next issue of advertising matter for 1883 we will have cuts, illustrations and description of Traction Engine which we will be glad to furnish on application to all those interested in the use or sale of Traction Engines.

Our Clover Hulling Attachment.

We are aware that the failure of a good many threshing machine manufacturers to do good work with their clover attachments has caused some doubts in the mind of the general public as to the efficacy of any Hulling Attachment. We are prepared to furnish our patrons with a Clover Attachment which we do not hesitate to say will be found to do its work equal if not superior to any machine intended for hulling clover alone. The principle of our attachment is very simple. The seed is fed into one end of the cylinder by an iron casing (which is placed directly behind the cylinder) until the seed is thoroughly rubbed from the pods. The peculiar advantage of this manner of hulling clover seed lies in the fact there are no iron surfaces or hulling cylinders running so close together as to be at all liable to crush or crack the seed, while the straw, pods and seed are so thoroughly rubbed together that the seed is all rubbed out and saved. Our riddle attachment will clean the seed equally as well as, if not better than, any machine intended for hulling clover alone.

From 10 to 25 per cent more seed can be got out of the straw and saved by the Springfield Attachment than by any regular Clover Huller in use.

We would refer the reader to our price lists and smaller sheets for prices, terms, warranty, etc.

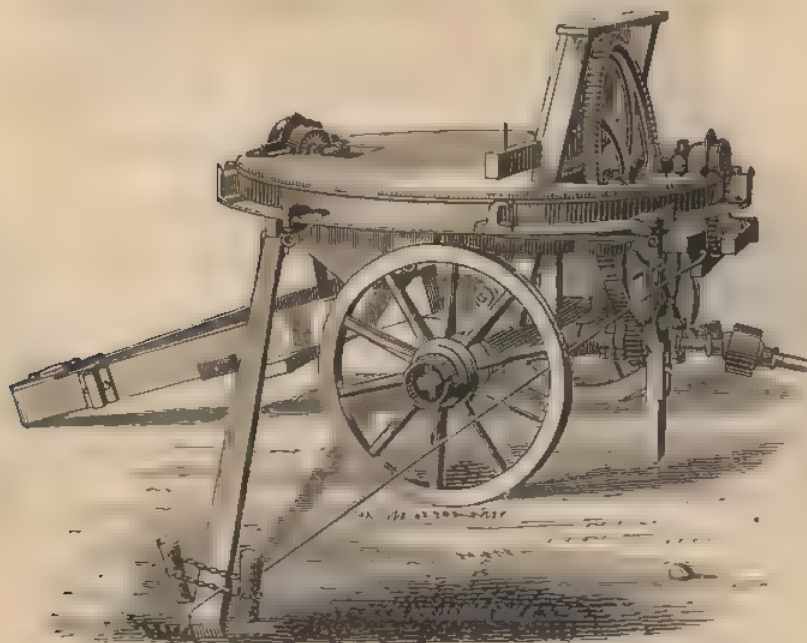
The Improved Woodbury MOUNTED HORSE POWER.

WE commenced building this power in 1870, and since that time have added very many valuable improvements, invented by the original patentee and by ourselves, to meet defects that could only be observed and remedied by continued use and patient endeavor. The IMPROVED WOODBURY as we now build it, possesses great advantages over all other Horse Powers. It is different from all other powers, having only four cog wheels, and dispensing with the bevel gearing necessary in all other Horse Powers. The Master Wheel has two sets of cogs—one upper and one lower, thus *reducing the liability of breakage exactly fifty per cent.* The other gearing consists of two Master or Bull Pinions and one large Spur Wheel, all keyed solid on a Heavy Cast Steel Shaft, and one Spur Pinion on a shaft connecting with the Tumbling Rods. All who have used other powers and have been subjected to the delays and expense which necessarily attend them will see at once the immense advantage of having these pinions keyed solid on a Cast Steel Shaft. The Master Wheel revolves independent of the body of the power, leaving the driver's platform stationary, and enabling the driver to give his undivided attention to his team and the feeder, besides doing away with the uncomfortable feeling of dizziness, produced by standing on a revolving platform. The levers and braces are all fastened on the outside of the Master Wheel, and both push and pull from its outer rim, thus making a great saving of mechanical force. There are no moving arms or braces inside of the Master Wheel to catch the feet or clothing of the driver. The Power can be oiled while in motion, and the working parts are furnished with a neat, portable covering, effectually protecting them from both dust and dirt. The speed of this power can be changed anywhere from 75 to 115 revolutions by changing the Line Shaft Pinion, of which we have all the different sizes.

Line Shaft Pinion with 21 Cogs gives 72 revolutions of Tumbling Rod to once around of Horaea.									
20	19	17	16	14	75	79	89	94½	108
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By a new and improved device we are able to run the Tumbling Rod either to or from the horses without any change or adding of gear. Our new brake on Spur Wheel gives the driver full control of power.

Woodbury Power Staked for Operation.



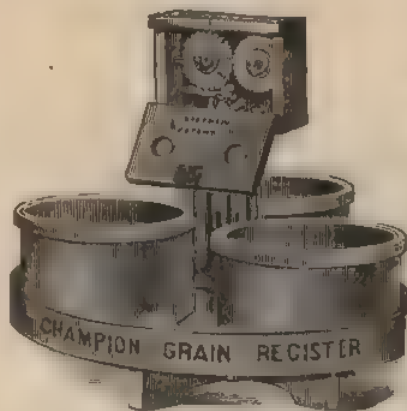
PROMINENT MERITS:

Light Draft, Strength,
Durability and Convenience.

SUITED FOR EIGHT OR TEN HORSE POWER.

The Speed can be Changed Anywhere from 75 to 115 Revolutions. We
Furnish this Power Mounted on Two or Four
Wheels when Working.

Champion Grain Register.



THE ONLY CORRECT Grain Register

IN THE MARKET.

WE MAKE TWO SIZES.

No. 2 FOR TWO HALF BUSHELS.

No. 3 FOR THREE HALF BUSHELS.

The above engraving represents **Champion Grain Register No. 3.**

Threshers and Farmers have long felt the necessity of a good and reliable measuring and counting machine to keep a correct count of the grain while being threshed. It is a well known fact that no matter how reliable the person measuring and keeping tally, with washers, pegs and pencil is, he is liable to make mistakes or forget to tally, which often causes dissatisfaction. In using the **Champion Register** this is all avoided, and a satisfactory settlement can be made as soon as the job is done.

The following are some of the advantages of the **Champion Register.**

1st.—The **Champion** always gives a fair count, and thereby protects both Farmer and Thresher.

2d. The Counting Arrangement is all under lock and key, which prevents interference by meddlesome Persons.

3d.—The **Champion** can be used with any threshing machine.

4th.—The Farmer can do his own measuring and the Thresher is satisfied that the count is correct.

5th.—The **Champion** revolves and counts the same whether moved backward or forward, and the filled measure cannot be taken from under the spout and the empty measure put in place without tallying.

6th.—The **Champion** is simple and strong. The tallying arrangement has but two wheels and two springs, which makes it reliable in counting and not easy to get out of order.

All we ask is a careful examination, by both dealer and thresher, to satisfy them that the **Champion** is the most reliable, cheapest and best finished Register in the market.

<i>Reduced Price List.</i>	}	Retail Price of Champion Register, No. 3, \$12 00.
	}	Retail Price of Champion Register, No. 2, 10 00.

VOICES FROM THE FARM.

The Witnesses on the Stand. They Tell a Straightforward,
Unvarnished Tale which needs no Corroborative
Evidence to Establish its Truth.

What is thought about the Springfield Machines by those who Know Them Best.



We print on this and the following pages a number of complimentary letters from practical threshermen who have bought and used our machines, and from practical farmers who have had their work done by them.

We were not able, in the space afforded in this pamphlet, to print nearly as many of the testimonials, now in our possession, as we should have liked. Those we do print were not culled from the others, because of any supposed special emphasis they contain regarding the merits of our machines, for there is no difference between them. In the paper we publish, called the **Illustrated Thresher**, we print a great number that are not to be found in this pamphlet. They make "mighty interesting reading," and reflect the true sentiments of threshermen and farmers everywhere.

We assume that the object of all who invest their means in threshing machinery and go into the business as an occupation, is **to make money**. And we assume that farmers will patronize those who do the **best work** in preference to those who do inferior work. Those are the two points to which we wish to direct special attention. It will be seen by a reading of the testimonials we print that the profits accruing to those who operate our machines are always fair and often quite large. And it will be seen also that the Springfield machines generally stay out a few weeks longer than other machines, and are invariably busy the season through, which indicates that they are appreciated by the farmers, who, after one trial of our machines, usually engage the same machines for the coming season, so well satisfied are they with their work. These ought to be weighty considerations in the minds of those who are looking for threshing machinery.

SECOND TO NONE.

West Leipsic, Ohio, November 23, 1882.

Springfield Engine & Thresher Co.:

Gents: The Engine & Thresher which I bought of
Richard, Ballard & Co. are second to none that run
the independent pump in perfect smoothness.

Yours for success,

G. S. PENDLETON.

CLEANS THE GRAIN PERFECTLY.

Moorheadville, Pa., December 6, 1882.

Springfield Engine & Thresher Co.:

John M. Scott did my threshing this fall with the
New Springfield Separator. It is one of the best ma-
chines I ever saw work. It cleans the grain perfectly.

Respectfully yours,

THOMAS MOORHEAD.

IT SATISFIES ALL.

Egypt, Missouri, July 12, 1882.

Rinehart, Ballard & Co.:

The Threshing Rig we bought of your agents, Messrs. Fuerth & Smith, gives us entire satisfaction in every respect, and the farmers are well pleased. We think we have the best machine we ever saw.

Yours truly, POE & FREEMAN.

BRIEFLY AND TRULY STATED.

We, the undersigned, farmers of Perry county O., have had our grain threshed by the New Springfield, bought by Josiah Gable & Co., and we must say that it did the best work we have had done. Threshed fast, cleaned well, and saved the grain.

HIRAM DAWSON,
J. P. WAESON.

Entirely "Wright" About It, J. T. Knows a Good Thing When He Sees It.

Thompson Station, Williamson Co., Nov. 9th, 1882.
Springfield Engine and Thresher Co.

Gentle:—In reply to yours of the 1st inst., and in the kindest feeling to all other machines now in use, I do, in good faith, cheerfully recommend the New Springfield Vibrator as being in all respects a first-class machine. I purchased of your agents at Nashville, Tenn. C. A. Literer & Co., one of your grand grain saving machines, which gave general satisfaction in the wheat field, and I have this fall, in small crops of German millet, threshed between five and six thousand bushels of Millet seed. We can thresh as much grain as any other machine of the same size and with perfect satisfaction. My friends for whom I threshed, and among the largest wheat growers in the county, are pleased with it. In short, my engineer, Mr. Thomas Cugsle, says if he were to buy a dozen threshers he would get all New Springfield Vibrators. Hoping your valuable machine may meet with large sales,

I am yours truly, J. T. WRIGHT.

Friend Michael, there Seems to be No(h)elp for It. If People are Determined to go Crazy over the New Springfield, Why, Let 'Em.

Marysville, Ohio, Nov. 3d, 1882.
Springfield Engine and Thresher Co..

Gentlemen:—I purchased one of your Vibrating Separators last summer, took the same from the cars to the wheat stack. Men came from all directions eager to see the new machine operate, and great was the surprise of all that were present at the marvelous work performed. In other words the machine was

crowded with work. From far and near men came to engage us to do their threshing and willing to wait, although the season was unfavorable and plenty of machines. I am much pleased and must say that no better machine ever was made, and that is the verdict of those for whom we threshed.

Respectfully Yours, MICHAEL NOELP.

Those Who Buy Other Machines May Expect to Stand Around While the Springfield Machines Scoop all the Work.

Bellevue, Ohio, Nov. 11th, 1882

Springfield Engine and Thresher Co.:

Dear Sir:—Yours of the 7th inst. at hand with inquiry as to how I liked the Thresher and Engine made by Rinehart, Ballard & Co., of Springfield. I sold three threshers and one engine of that make this season, and must say they are the best threshers. Two of my customers told me that in the threshing season they could have run two threshers of that kind all the time, while I know that there were some other machines waiting for a job in the same neighborhood. I sold one clover attachment and we went out and started it and told the man that if it did not go off all right to let me know. It has been about three weeks and I have had no complaint yet, so I guess it must be all right; for the man that bought it has a good Birdsell huller, and said that he would not fool with the huller without it was all right.

Yours Respectfully, JOHN R. WILSON.

The New Springfield Stayed Witham.

Cape Girardeau, Mo., Nov. 12th, 1882.

Springfield Engine and Thresher Co.

Gentle:—I purchased of your agents, Fuerth & Smith, at Cape Girardeau, a ten horse New Springfield and a 32 inch Separator. I am well pleased and can cheerfully recommend it to all who want a good machine. I commenced June 27th and ended August 17th, and threshed 31,208 bushels of wheat, and 5,000 bushels of oats and barley without any repairs or delay.

Respectfully, D. H. WITHAM.

His Father-in-Law is Well Pleased and His Wife Sends Her Regards and is Satisfied—How About the Mother-in-Law.

Crothersville, Ind., Aug. 28th, 1882.

Mr. John Logan:

Dear Sir:—I am well pleased with the Springfield. I find it to be a better machine than you recommended it to be, it is far ahead of any machine in this section of the country. I have threshed 10,000 bushels of wheat, 8,000 bushels of oats, and have four weeks threshing yet. I charge 5 cents per bushel for

wheat and three cents for oats. My father-in-law is well pleased. I am alone yet and I don't want a partner. My wife sends her regards and says she is satisfied. Respectfully Yours, JNO. B. CRONENS.

PERFECT SATISFACTION.

Bennettstown, Ky., Nov. 14th, 1882.

Dear Sirs:—The No. 10 Separator bought of your agents, Messrs. Cowan, Huggins & McKee, Hopkinsville, Ky., gives perfect satisfaction. We are well pleased with it.

Very Respectfully, JOBE & McGER.

Portland, Ind., Nov. 8th, 1882.

Springfield Engine and Thresher Co.

Gentlemen:—We have to say, and cheerfully say it, that we have sold several Springfield Vibrator Threshers, and to old threshermen, who all pronounce it superior to any thresher they have ever used. One man who has had twenty years' experience and owns two traction establishments, says it beats them all and is equally a success in all kinds of work. Yours Truly, GEO. BENEDICT & CO.

A Word Well Spoken for the Springfield Traction—The Opinion of a Practical Man After Testing It Thoroughly.

Pittsfield, Pike County, Ill., Nov. 8th, 1882.

Springfield Engine and Thresher Co.:

Gentle:—After going through a threshing season with one of your Traction Engines, I want to say to you what I think of it. When I first talked of getting an engine I looked at quite a number, and as I have been running engines for twenty-five years, I think I know what one is. I looked at one of your make and liked it from the first, and while I could get engines for less money, still I thought if your engine would work as well as I thought, it was worth more. And now I want to say to you that I have got the BEST ENGINE I ever saw. I can handle it as well as I can a team of horses, and can out-pull any engine in the county. We have done a good season's threshing without any expense on engine, and I think it runs better than it did at first. I will say to all those intending to get a Traction Engine, don't get anything but a Springfield Engine, as they are the best now made. Yours Truly, JOHN BUCKINGHAM.

Everybody Delighted as Well as Astonished—A Word of Advice to Those Who Wish to Buy.

Blanchester, O., Nov. 11th, 1882.

Springfield Engine and Thresher Co.

Dear Sirs:—Your letter received asking what I think of the Springfield Thresher, Horse Power and Portable Engine manufactured by Rinehart, Ballard & Co.

Would say I think they have no equal for fast threshing, nice cleaning and saving wheat, rye, oats, flax, barley and clover. I have sold it for the last twelve years and sold a number of machines, and they give the best of satisfaction to farmers and threshermen. The New Springfield Vibrator lays them all in the shade. I sold three, and everybody is delighted and astonished at the nice work it does with so little noise, and no trouble to keep in order. Would say to all threshermen who want the best, buy the Springfield. The best is the cheapest.

JOSEPH BALDWIN.

Hillsboro, Ill., Nov. 8th, 1882.

Springfield Engine and Thresher Co.

Gentlemen:—We own one of your machines and it cannot be beat for threshing, cleaning and saving grain. I threshed four bushels per minute. I think it stands at the head.

Respectfully, J. M. MILLER & BROS.

Our Accomplished Agents Will Always be Found on the "Bee Line" Ready to Supply Your Wants.

McAfee, Mercer Co., Ky., Nov. 4, 1882.

Springfield Engine and Thresher Co.

Gentlemen:—We bought of Mr. George Bohon, of Harrodsburg, Ky., the past season, one of Rinehart, Ballard & Co.'s Vibrator Threshers and have just finished threshing over thirty thousand bushels of wheat with the same. It has given us entire satisfaction as well as pleased all our customers. It's the boss and no mistake, and had we another to buy, would make a bee line for your agent and purchase the same kind. Wishing you success, we are

Yours etc., BOHON & LILLARD.

This Little Testimonial "Lacks" in Nothing.

Popular Bluff, Mo., Nov. 10, 1882.

Springfield Engine and Thresher Co.

Gentle:—The New Springfield Vibrator bought of you gave entire satisfaction. We run it over forty days and have never heard a single complaint. As a cleaner and a saver of grain it is unsurpassed, and would recommend it to the public as the best machine now in use in this country.

I am yours, etc., E. C. LACKS.

Flora, Ill., Nov. 11, 1882.

Springfield Engine and Thresher Co.:

Gentle:—We received yours of the 7th, and in reply would say that we consider the Rinehart, Ballard & Co. an excellent thresher, equal to any sold in this part of the country for durability and good work.

Yours, SHADWELL, LAW & CO.

Farmers Pleased and Happy and Want them Again.

Crab Orchard, Ills., November 10, 1882.

Springfield Engine & Thresher Co.:

Gentlemen--The Vibrator and Engine we bought of Rinehart, Ballard & Co. have beaten every machine that has ever been worked in this county before. The Vibrator cleans the wheat so that farmers and buyers are pleased and happy, and want us to thresh for them again. The engine runs to perfection. There is not a jar about it. The best engineers here say it is the best they ever saw. We worked five weeks and turned out twenty-three thousand bushels of wheat and oats, and our machines look like they were just from the shop. We would like to see a six horse Separator that would excel it. It can't be done. We would say to those who want a good machine to buy none other than the Vibrator and Engine manufactured by the Springfield Engine & Thresher Co., at Springfield, Ohio. Yours truly,

J. WAND,
B. J. CLARIDA,
D. P. BORUM.

EMPHATIC WORDS OF PRAISE.

Allordsville, Ind., December 15, 1882.

Springfield Engine and Thresher Co.:

Dear Sirs--We bought one of your machines and write to say that it excels anything in the threshing machine line we have ever seen in this country. Its working capacity is all that can be wished for. Farmers have failed to get any set of hands that would give us an unbroken half day's threshing. The quality of the work is unsurpassed, and it takes the white caps off of the Fultz wheat better than any other machine we have ever seen. It is the best cleaner and blows the least wheat out in the chaff of any thresher that has ever run in this county. Thus it combines all the desirable qualities of a first-class thresher of interest to the farmer, and for simplicity and easy management it is the most desirable machine for the threshermen.

Respectfully yours, STEWART, PORTER & Co.

Taking a Rest in the Shed while the New Springfield Goes On Forever.

Quincy, Illinois, November 7, 1882.

Springfield Engine & Thresher Co.:

Gents--In reply to yours of late date, would say I could write an interesting article on the subject of threshing machinery. Have handled a great many different makes of threshers and engines. Have handled an engine for fifteen years, and followed the business of threshing ever since I was fourteen years

old, back when the old chaff piler was considered the boss. As for the New Springfield, it is the boss machine of the world, both thresher and engine. For durability and grain saving they have no equal. I run two machines--the Springfield and the Aultman & Taylor. The Springfield threshed fifty thousand bushels this season, the latter threshed fifteen thousand bushels. The Springfield is running yet, while the other is resting under a shed. So much for the New Springfield.

Yours truly, F. C. ATTENHEIM,
P. O. Box 791 Quincy, Ills.

EIGHT HONEST MEN AND TRUE.

July 11, 1882.

We, the undersigned, farmers and threshermen, have had the Threshing Rig of John Diebold to thresh our crops, and hereby testify that it was the most satisfactory job we ever had done. The machine does nice clean work, besides being speedy, and having no delays from breakages. We recommend any one wishing to purchase a thresher to hire the New Springfield of Messrs. Fuerth & Smith, agents at Cape Girardeau, Missouri.

S. S. KINSAW,	JOSEPH S. SEYER,
WM. H. STOWALL,	FRITZ LIPPS,
WM. FOSHOG,	LOUIS HEEFLER,
JOHN WITTER,	JOHN HASTNER

THE PEOPLE ARE PLEASED.

Huron, Atchison Co., Kansas, Nov. 16, 1882.

Springfield Engine & Thresher Co.

Gents--As to the New Springfield Thresher we have been running for the past season, will say we have satisfied everybody we have threshed for in every respect. It pleased the people better than any machine in this settlement. Is the best and cleanest thresher on flat I ever saw, and is equally good on other grain. As for big work, I can beat the lot.

Yours truly, W. H. HARDIN.

Something About the Springfield Engine.

Cassleton, Dakota Territory, Nov. 29, 1882.

Springfield Engine and Thresher Co.:

Gentlemen--I take this opportunity of writing to you what I think of your engine. I am an engineer of some experience, having worked with six different kinds during my time, and have not had any as good as the "Springfield Engine." It is the most perfect threshing engine I ever saw. It received general admiration for smooth running; is powerful, well made and convenient to handle.

Yours respectfully, ANDREW SHILL.

PLEASED WITH HIS PURCHASE.

Stone Fort, Ills., Nov. 19, 1882.

Springfield Engine & Thresher Co.

Gentlemen—I bought one of your ten-horse engines and thirty-inch vibrators this season, and like the rig fine. It cannot be beat. I got a late start, but threshed twenty-two thousand bushels of wheat, and gave perfect satisfaction. I am now running a 52-inch saw with my engine, and can cut from two to three thousand feet of inch lumber per day with ease. Also running a set of twenty eight inch burrs. Can do good work. Can thresh eight hundred bushels of wheat per day with my thirty-inch machine and do nice work. Yours truly,

JOHN L. MAYER.

Office of Commissioners Indiana Co., }
Indiana, Pa., Feb. 26, 1883. }

Commissioners,

WM. MARON,
JAMES JOHNSTON,
JAMES A. McQUOWN.

Springfield Engine & Thresher Co.

Gentlemen—The New Springfield Vibrating Separator owned and operated by the Messrs. St. Clairs, threshed my crop of 1882 with satisfaction to all parties concerned. I have no hesitancy whatever in recommending it as a No. 1 thresher and cleaner, and believe the machine can't be beat.

Respectfully, JAMES JOHNSTON.

WHEAT IN BAD CONDITION, BUT HANDLED ALL RIGHT.

Fortville, Ind., Feb. 10, 1883.

Springfield Engine & Thresher Co.

Gentlemen—My wheat was in bad condition, being very wet. It was threshed by Messrs. Hiday & Silvers with one of your machines, which separated it from the straw and cleaned it ready for the market. I like the New Springfield the best of any machine that ever threshed for me. Yours truly,

JOHN K. FAUSSET.

PERFECT SATISFACTION TO ALL.

Shepherdsville, Bullitt Co., Ky., Feb. 9, 1883.

Springfield Engine & Thresher Co.

I bought one of your New Springfield Vibrator Threshers and Engines of J. F. Smith, agent at this place. I threshed about twenty thousand bushels of grain, and gave perfect satisfaction to all my customers. I am pleased with my machine, and think it A No. 1, and will give satisfaction to all who may purchase. Yours truly, M. B. STARK

ENGAGED FOR THE COMING SEASON.

Fortville, Ind., Feb. 10, 1883.

Springfield Engine & Thresher Co.

Dear Sirs—My wheat was threshed by Hiday & Silvers with one of your New Springfield Vibrators. I can say for your machine that the work was good, although the straw was very damp. They threshed nine hundred and seventy-four bushels in one and a fourth days, and the work was so satisfactory that I made arrangements for them to set at my crop of seventy acres their first setting this season.

Yours with compliments,

JAMES N. SAMPLE.

THE TESTIMONY OF TWO PRACTICAL OPERATORS WHO BOUGHT FULL SPRINGFIELD RIGS.

Atchison, Kansas, Jan. 29, 1883.

Springfield Engine & Thresher Co.

Gentlemen—I sold two complete Rigs last season for Rinehart, Ballard & Co., one to Mr. Wm. H. Hardin, of Huron, Atchison county, Kansas, and one to Mr. Frank Wotawa, of Good Intent, Atchison county, Kansas. They both gave unqualified satisfaction. Mr. Hardin says his is the best flax machine in the world, in addition to being unsurpassed for wheat, barley and oats. Mr. Wotawa says, "put my name down, it is the best machine I ever saw run. Refer to me if any one wants to know anything about the New Springfield." I should like to have the agency for this county this year, and believe I can do you good.

Yours truly, W. W. SCULLAR.

THE NEW SPRINGFIELD TRIED IN WHEAT, BARLEY AND CLOVER.

Fairview, Pa., Dec. 27, 1882.

Springfield Engine & Thresher Co.

Dear Sirs—I write you to-day to tell you that Mr. John C. Stuntz did my threshing this season with the New Springfield Thresher, and did the best work I ever had done, both in wheat and barley, and my clover was all taken out of the straw and cleaned ready for seed. I consider the New Springfield a first-class machine in all kinds of grain and seed—in short, the one to buy. Yours truly,

S. MILLS EATON.

CANNOT SAY TOO MUCH.

Black Hawk, Pa., Dec. 20, 1882

Springfield Engine & Thresher Co.

Messrs. Bradshaw & Reed threshed one hundred and fifty bushels of wheat and three hundred and fifty bushels of oats in less than five hours, and, gentlemen, I will say it was the best work I ever had

done, and in the shortest time. In short, I cannot say too much in praise of your Steam Threshers.

Yours truly, SILAS MORE.

"THE BEST RIG" IN THAT PART OF THE COUNTRY.

New Vernon, Mercer Co., Pa., Jan. 1, 1883.

Springfield Engine & Thresher Co.

Gents—Messrs. Bean & Hunt did my threshing this season, and they did me first-class work. In short, they did No. 1 work in different kinds of grain, cleaned it well and threshed it clean out of the straw. I think they have the best Rig for the business in this part of the country. In fact, your threshers are the best I ever saw. No matter how damp the grain they never choke, but run right along steady.

Yours truly, E. HACKETT.

THE CHOICE OF THE LOT.

Sheakleyville, Mercer Co., Pa., Dec. 27, 1882.

Springfield Engine & Thresher Co.

Gents—I take great pleasure in recommending to the public the Thresher that was bought last season of Rinehart, Ballard & Co. It does its work well, and gives entire satisfaction, and it is my opinion that the man who buys the New Springfield gets the choice of the lot.

Yours truly, S. A. BYERS.

THE BEST WORK IN EVERY PARTICULAR.

Wintersville, Ohio.

Springfield Engine & Thresher Co.

Gents—Mr. Coe did my threshing with a New Springfield last fall, and he did the best work in every particular that I ever had done.

Yours truly, J. B. MAYER.

A PLEASURE TO RECOMMEND IT.

Otter Creek, Mercer Co., Pa.

Springfield Engine & Thresher Co.

Gents—Messrs. W. P. Wagner & Co. did our threshing last season with one of your New Springfield Threshers, and we can say we never had the work done in a more satisfactory manner. It gives us pleasure to recommend your machine.

Yours truly, DEVLIN BROS.

GOOD WORK FOR ALL THE FARMERS

Alfons, Ind., Feb. 12, 1883.

Springfield Engine & Thresher Co.

Gents—Messrs. Hiday & Silver threshed for me last season. They threshed twelve hundred bushels of wheat for me, and did good work, threshed it clean

out of the straw and cleaned it well. They can do more work in one hour than any other machine that ever threshed for me. They did good work for all the farmers in this section, and I know they have a good machine.

Yours truly,

CHAS. P. MAIN

THE TRUTH ABOUT THE NEW SPRINGFIELD.

Wesleyville, Erie Co., Pa., January 10, 1883.

Springfield Engine & Thresher Co.

Gents—I will write you a line and tell you what I think about your machine. Mr. John M. Scott threshed for me last season with a New Springfield. He did the best job I ever had done. He threshed fast, cleaned it well, and the best of all, got all the wheat out of the straw. The truth is, I think the New Springfield is a good one.

STEPHEN SCHILLING.

WELL SPOKEN.

Clark's Mills, Pa., December 72, 1882.

Springfield Engine & Thresher Co.

Gentlemen—I was well pleased with the way the New Springfield did its work, and think it cannot be beaten.

Yours truly, D. T. WHITE.

RUN BY THREE BOYS.

Down, Livingston County, Missouri.

Springfield Engine & Thresher Co.

Sirs—The New Springfield I bought of your agent, Mr. J. J. James, last summer, gave perfect satisfaction to myself and patrons. The machine was run by my three boys, neither of whom had had the charge of a thresher before; still they run the entire season without trouble, and to the entire satisfaction of all concerned.

Yours truly, B. F. KNOX.

The Two Great Points of the New Springfield, Its Capacity to Thresh Fast and Clean Perfectly.

Fortville, Madison County, Ind., Nov. 2, 1882.

Springfield Engine & Thresher Co.

Sirs—We would say in regard to the Separator we bought of your agent, Mr. Marshall, it has given perfect satisfaction in every respect. In thirty-five days we threshed 18,740 bushels of wheat and lost some time on account of bad weather. We think we have as good a Separator as was ever built. As for threshing fast and cleaning, it cannot be excelled, giving better satisfaction than any thresher that has ever been here. We can heartily recommend it to those wishing to purchase a perfect machine. The clover hulling attachment we bought of you cannot be beaten.

Yours truly,

THOMAS HIDAY,

CHAS. SILVER.

MORE WORK AND BETTER.

Lathrop, Clinton Co., Mo., February 14, 1883
 Springfield Engine & Thresher Co.:
Dear Sirs—We bought a No. 8 Separator and 10 Horse Power last season of your agent at this place, Mr. T. C. Kelly, and will say that we threshed more grain in the same length of time and done better work than any machine in this neighborhood.
 E. C. STEEL, W. T. BEAR, E. LANE.

PERFECT SATISFACTION.

Fortville, Ind., January 7, 1883.
 Springfield Engine & Thresher Co.:
Sirs—I take pleasure in saying I think the machine bought by Messrs. Hilday & Silver is a good one. Has given me perfect satisfaction.

HIRAM STATTLEMYER

NEVER BETTER PLEASED.

Alfons, Ind., February 13, 1883.
 Springfield Engine & Thresher Co.:
Sirs—In reply to your letter asking how I was suited with the work done by Messrs. Hilday & Silver with one of your machines. It has done me good work. I never have been better pleased.

Yours truly, SILAS J. JONES.

THE USUAL EXPERIENCE.

Mercer, Pa., December 26, 1882.
 Springfield Engine & Thresher Co.:
 Yours received. In reply will say Messrs. Hunt & Bean did my threshing last fall with one of your machines, and I was well pleased, and have engaged them for next season. Yours, &c.,
 H. J. MCARTNEY

—O—

They Made \$579.08 and Threshed 14,000 Bushels of Grain in 34 Days in a New Country, with Rough Roads and Small Jobs.

Ovatt, Leelanaw Co., Mich., Nov. 1882.
 Springfield Engine & Thresher Co.:
Dear Sirs—It gives us pleasure to be able to endorse the superior merits of your Springfield Pitts Separator, bought of your agent at Traverse City, August 15, 1882, and run through the threshing season to the satisfaction of all our customers and ourselves. We gave it a thorough trial in all kinds of grain, wet and dry and in the sweat, and it done its work thoroughly; no clogging, threshes clean and cleans grain fit for market. We run our machine thirty-four days, that is from time of starting until we laid up, that includes moving, setting, rainy days and all, and threshed 14,000 bushels—\$579.08—and this is a new

country, rough roads, small jobs. Who can beat that? It gives us pleasure to recommend it as being the best Thresher in the market; in fact, our machine has knocked the bottom out of all the machines in this county. Our machine is a horse power machine. Respectfully yours,
 W. H. DEEMAN, SAMUEL BARRY, E. K. ATKINS.

—O—

The New Springfield and the Woodbury Power Grouped Together in Words of Praise.

Farley, Iowa, November 3, 1882.
 Springfield Engine & Thresher Co.:
 Your letter was received to-day. Allow us to put in a word from Farley, Iowa, in praise of the "New Springfield Vibrator." This is the "New Springfield's" first season in our section, and it truly excels all other machines for fast work, quality of work and durability. To farmers and threshers we would say, buy the "New Springfield" and Woodbury Power, as it runs easier and gives better satisfaction than any other thresher. All farmers who have seen our "New Springfield" declare it without any exception the best machine they ever saw. We shall be very glad to answer any letters in regard to the merits of the "New Springfield"
 Very truly yours, KNIPLING BROS.

A "HUMMER," AND NO MISTAKE.

Warren, Ill., November 7, 1882.
 Springfield Engine & Thresher Co.:
Dear Sirs—I bought one of your New Springfield Threshers this fall. It gives good satisfaction and runs like a top. I have had all I can do. I have followed threshing for years, and have never used a machine that suited me as well or done as good work. When commencing in a neighborhood every one wants me to thresh for them. One man says he never had as good a machine on his place. I tell you the New Springfield is a hummer and no mistake. It is no trouble to thresh a thousand bushels of oats a day.
 Yours truly, OSCAR ROBBINS.

"All Things Considered," and So Forth.

Owosso, Michigan, November 3, 1882.
 Springfield Engine & Thresher Co.:
Sirs—I have been running a Rinehart, Ballard & Co. No. 10 Threshing Machine the present season; have averaged 650 bushels per day on a run of 55 days—which is more than I have ever threshed before, taking one day with another during a period of eleven years with a number of other machines. Taking all things into consideration, I think the Rinehart & Ballard is the best machine in use.
 Yours respectfully, CHARLES A. DOANE.

Overall, Tenn., November 5, 1882.
Springfield Engine & Thresher Co.:
Gentlemen—I take great pleasure in recommending to the public the Thresher that we bought of Rinehart, Ballard & Co. It does its work well, and gives entire satisfaction. Yours truly,
 T. G. MILES.

Another Challenge Fearlessly Flaunted in the Eyes of the World.

Clark's Mills, Pa., November 5, 1882.
Springfield Engine & Thresher Co.:
Dear Sirs—The No. 8 New Springfield Vibrator bought of R. Baker works well and runs very easy and light, and cleans well. Our engine can't be beat, I don't care where they bring them from. One of our big men that thought he could cut bands for two horse power machines got some of the conceit taken out of him; he said we did not take one sheaf at a time, but cleaned the table every lick. For fast and clean threshing we will challenge the world. We are respectfully yours,
 BEAN & HUNT.

BOLDLY CHALLENGE ANY OTHER MAKE.

Sanborn, Ills., November 6, 1882.
Springfield Engine & Thresher Co.:
Gents—In reply to your request, we bought a thirty-tub Separator and eight horse power Engine, manufactured by Rinehart, Ballard & Co. and pronounce it the best threshing outfit in the world. We challenge any make of machines in the world for fast threshing and cleaning. Yours truly,
 HOOD, UNDERWOOD & McCUAN.

Wintersville, Ohio, October 31, 1882.
Springfield Engine & Thresher Co.:
Dear Sirs—I have used one of your Vibrator Thrashers the past season, and can cheerfully recommend it as a first-class machine, doing rapid and satisfactory work under the most trying tests. Respectfully,
 MOSES COE.

"Thrashes Cleaner and Faster," Pleasant but True Words.
 Carrollton, Ga., November 13, 1882.
Springfield Engine & Thresher Co., Springfield, O.:
Dear Sirs—In May last we purchased from M. R. Russell, of Carrollton, Ga., agent for Rinehart, Ballard & Co., one of their New Vibrating Threshing Machines, and are proud to say it gives perfect satisfaction; done everything they represented it to do; thrashes cleaner and faster than any machine in the county, and we cheerfully give it as our opinion that it is the best. Respectfully,
 GARRETT & STEPHENS.

A NUMBER ONE MACHINE.

Columbus, Ohio, November 8, 1882.
Springfield Engine & Thresher Co.:
Gentlemen—The Thrashers I have sold that were manufactured by Rinehart, Ballard & Co. have proved themselves to be A No. 1 machines, and give the purchasers entire satisfaction. Wishing you success in your business, I remain,
 Yours truly,
 JOHN PATTERSON.

NO WORD OF DISSATISFACTION.

Urbana, Ohio, November 6, 1882.
Dear Sirs—I have used the Springfield Vibrator this season, and it has given satisfaction wherever I have threshed, as the best Separator in the market. I have threshed about twenty-five thousand bushels of wheat, and I have the first word of dissatisfaction yet to hear. Yours respectfully,
 ALBERT ROLLS.
 Commerce, Scott Co., Mo., November 6, 1882.
Springfield Engine & Thresher Co.:
Dear Sirs—I have tested one of your Horse Power Threshing Machines, and found it proved satisfactory to every one. The people highly recommend it here. It is the most reliable and lightest running machine in this section. Yours truly,
 W. B. DOTSON.

Think of the People who will be made Happy if this Threat is Carried Out.

Hopkinsville, Ky., November 13, 1882.
Springfield Engine & Thresher Co., Springfield, O.:
Dear Sirs—We take pleasure in saying that we sold in this section some nine or ten complete rigs of Rinehart, Ballard & Co.'s Thrashers and Engines, and they gave entire satisfaction. The truth is, they are regarded by all who have seen them work as the best Thrashers and Engines made or ever introduced in this section. You are authorized to say anything in their favor over our name. We believe we can sell fifteen or twenty rigs next season.
 COWAN, HUGGINS & McKEE.

Colorado, Pope Co., Ills., November 12, 1882.
Springfield Engine & Thresher Co.:
Gentlemen—The Engine and Separator we bought of Rinehart, Ballard & Co., through their agents, Bennet & Arnold, of Stone Fort, gives entire satisfaction. We threshed some twenty-five thousand bushels of grain this season. Said engine was a 12-horse power and 30-inch vibrator. Yours,
 F. M. RANDOLPH,
 O. H. RANDOLPH.

An Opinion that is Sustained by that of Several Others.

Carrollton, Ga., November 14, 1882.

Springfield Engine & Thresher Co., Springfield, O.:

Dear Sirs—I sold to John Bonner one of the Springfield Pitts Threshing Machines, manufactured by Rinehart, Ballard & Co. and to Garrett & Stephens one of their New Vibrating Machines, both of which gave perfect satisfaction. The Vibrator is the lightest running machine, and every one that saw it work pronounced it the best machine in the country. It will do everything claimed for it. Garrett & Stephens are more than pleased. In fact, I don't think the machine can be beat for threshing clean nor fast. I regard it as the best machine in the country.

Respectfully, M. B. RUSSELL.

The Feature of Expense Receives a Timely Mention.

Tyrrell Hill, Ohio, November 1, 1882.

Springfield Engine & Thresher Co., Springfield, O.:

Gentlemen—Your New Springfield is the best threshing machine I ever saw. It gives perfect satisfaction wherever it works. But we had the least trouble in the world. Our machine takes all the wheat out of the straw. The farmers are well pleased with its work, and want us next year. I have had some experience with threshing machines, but never one that would do the work yours will do with as little expense.

Yours truly,

C. M. TYRRELL & CO.

Kokomo, Ind., November 8, 1882.

Springfield Engine & Thresher Co., Springfield, O.:

Gentlemen—Yours of November 7th received. The new Vibrator sold for Rinehart, Ballard & Co. by us last season is very highly spoken of by the purchasers. We think their goods are the equal of any we know of. Yours, ARMSTRONG, PICKETT & CO.

London, Madison Co., O. November 6, 1882.

Springfield Engine & Thresher Co

Dear Sirs—Yours of the 4th at hand and noted. We have one of your Vibrators, No. 10. This has been a very bad season for threshing, but we have given good satisfaction, and we are well pleased with the machine. Yours with respect,

J. M. TURNER.

"She is a Darling"—Willing to Bet on One Thousand Bushels Per Day.

Blountsville, Indiana, November 5, 1882.

Springfield Engine & Thresher Co

Dear Sirs—I wish to say that the machine I bought of Rinehart, Ballard & Co. is the best in use. I had

an increase of custom over other machines of six thousand bushels. We did well this season threshing wet grain. You need not hesitate to recommend your machine to any one, for she is a darling. We threshed twenty-one thousand bushels, and we can find men who are willing to bet we can thresh a thousand bushels a day. In one day we threshed eight hundred bushels and set three times.

Yours truly S. C. LINVILL.

Chattanooga, Tennessee, November 7, 1882.

Springfield Engine & Thresher Co.:

Gentlemen—We will say that the "New Springfield" is the best machine in the country, and we have always said so and always will say it.

Yours respectfully, JOHN P. GROSS & CO.

All Assent to the Fact that it is the Best.

Northport, Michigan, November 7, 1882.

Springfield Engine & Thresher Co.:

Gents—Yours of the 30th inst. has come to hand, and in reply would say that your Separator is an improvement on everything of the kind ever brought to this part of the country, to which everybody that has tried it or seen it work will agree.

Yours truly, JOHN JACOBSON.

The Thresher, the Engine and Clover Huller Attachment all come in for a Share of Praise.

Lebanon, Boone Co., Ind., November 4, 1882.

Springfield Engine & Thresher Co.:

Dear Sirs—We bought one of your New Springfield Vibrators last August, and I feel it my duty to state that it is the best machine we ever had in this section. We threshed in our own neighborhood and for many others, but not a person was dissatisfied. It beats any machine we ever saw threshing wet grain. It is a thirty-two inch cylinder, but it took all the grain we could get to it, both wet and dry. As to taking the grain out of the straw, it did it nicely and cleans well. The Engine was the best I ever used, and the pump excels any in the market. Both threshermen and all say it is the best Engine they ever saw. Our engineer has had thirty years' experience, and states it is the best engine he ever handled. Our Clover Attachment has given entire satisfaction.

Yours truly,

CASSIDY, ALLEN & CO.

Door Lake, Michigan, November 5, 1882.

Springfield Engine & Thresher Co.:

Gentlemen—I have followed threshing for the past seventeen years, and I never came across any ma-

chine that will do as good work in all kinds of grain as the Springfield Pitts. It is the best machine I ever used, and I have handled all makes of threshers.

Yours truly, JOHN R. MANN.

—o—
Salem, Illinois, November 10, 1882.

Springfield Engine & Thresher Co.:

Gents—Your letter of the 7th inst. is hand, and in reply would say, for the season of 1882 I took seven orders for Threshers and Engines, and they are very well liked.

Yours truly, L. O. VOGT.

—o—
THE BEST ON WHEELS.

Robertson, Kentucky, November 8, 1882

Springfield Engine & Thresher Co.

Gentlemen—In reply to yours of the 7th, we want to handle no other machines except yours, as I consider them the best thresher on wheels. The parties to whom I sold told me they would give me any kind of recommendation I would ask, so if you want them I can get them.

Yours respectfully,
JAMES McMURTRY.

—o—
Springfield Engine & Thresher Co.:

Dear Sirs—The machine made by Rinehart, Ballard & Co. can't be beaten. In twelve years I have operated a great many machines, and will say that the "New Springfield" is the best machine I ever saw work, and gives the best satisfaction in each and every case. Of all the machines I ever saw used the "New Springfield" gets away with them all.

Yours with respect, D. R. FOSTER.

—o—
ENGINE AND THRESHER BOTH COMMENDED.

Stone Fort, Illinois, November 4, 1882

Springfield Engine & Thresher Co.:

Gents—I can say I have as good an Engine as any of my neighbors, and my Thresher can't be beaten. I will give you a statement of the work done. My book shows I threshed seventy-seven days, and the amount of wheat and oats twenty-six thousand four hundred and thirty-two bushels. I lost a good deal of time by rain and moving. I also threshed timothy seed and did well.

Yours, &c.,
WM. J. HALL.

—o—
HIS NEIGHBORS DEMAND THE NEW SPRINGFIELD.

Red Key, Indiana, November 3, 1882.

Springfield Engine & Thresher Co.:

Dear Sirs—I bought of Rinehart, Ballard & Co. a "New Springfield" in September, which gives good satisfaction to me and the people of this country. My neighbors say no other machine can thresh for

them but the "New Springfield." It can thresh one thousand bushels a day, and make it clean for the market. I think it is the best machine in the world. We have the Aultman-Taylor and Three Rivers' machines, and it goes ahead of them all. If I were going to buy a dozen threshers they would all be "New Springfields."

Yours truly,

JAMES W. HOPPER.

—o—
Kennedyville, Md., October 26, 1882.

Springfield Engine & Thresher Co.

Dear Sirs—I am satisfied that I have a rig which is second to none in the county. It has given universal satisfaction to all.

Yours truly,

TILGHMAN SHAFER.

—o—
Bluffton, Ohio, November 14, 1882.

Springfield Engine & Thresher Co., Springfield, O.:

Dear Sirs—The New Springfield Vibrator is a good one. I sold two this season, and they gave perfect satisfaction. Can get good testimonials of the parties that used them. The farmers say they are the best machine ever started in this section of the country. Wishing the Company success, I remain,

Yours truly, D. HILTY.

—o—
The Old Apron Good Enough, but the Vibrator is Better.

Shelbyville, Indiana, November 9, 1882.

Springfield Engine & Thresher Co.:

Gentlemen—I have sold several of the Springfield Apron Threshers and one New Springfield Vibrator. I have had excellent success with the Apron machines, but think the Vibrator beats anything I have ever seen thresh, and especially in wet grain. We had a thorough test of it here, as we had such a wet season. It threshes the grain well out of the straw, saves and cleans it perfectly. I would recommend the New Vibrator to all parties wanting a first-class machine as being superior to anything I know of.

Respectfully, A. J. THURSTON.

—o—
PLEASANT PRAISES CHEERFULLY CONTRIBUTED.

Portland, Indiana, November 8, 1882.

Springfield Engine & Thresher Co.:

Gentlemen—We have to say, and cheerfully say it, that we have sold several Springfield Vibrator Threshers, and to old threshermen, who all pronounce it superior to any thresher they have ever used. One man who has had twenty years' experience, and owns two traction establishments, says it beats them all, and is equally a success in all kinds of work.

Yours truly, GEO. BENEDICT & CO.

The New Springfield Stays Out Two Weeks Longer than any other Machine.

Elk, Noble County, Ohio, November 4, 1882.
Springfield Engine & Thresher Co.:

Dear Sirs—I bought of Rinehart, Ballard & Co. a No. 6 New Springfield Vibrator last August. This is the sixth machine I have owned, and it is the best one I have ever had. It is given up by the oldest threshers to be the best machine in Noble county. That it has improvements over all other machines no one denies. We commenced late in the season, but made a good run. We had two weeks' threshing after all other machines had pulled in. Wishing you success, I am, yours truly,

GEORGE CRUM.

—o—
The Farmers were "Pleased to Death" with the New Springfield.

Bellefontaine, Ohio, November 5, 1882.
Springfield Engine & Thresher Co.:

Dear Sirs—The machine we bought of Rinehart, Ballard & Co. is the best machine that has ever been put on the market. It runs with the least trouble and threshes wet grain to perfection. We have threshed twenty-five thousand bushels of wheat this season, and the machine has not bothered us at all. The farmers were just pleased to death with its work where we threshed for them. The New Springfield threshes wheat clean out of the straw, and cleans it better and runs with less bother, runs lighter and smoother than any machine which has been in this county. All the farmers we have threshed for this season say they want us to thresh for them next season. Yours truly,

R. D. & G. WILLIAMSON.

Bellevue, Christian Co., Ky., November 5, 1882.
Springfield Engine & Thresher Co.

Dear Sirs—Your Thresher and Engine runs as nice as any I ever saw. It does its work well.

Yours truly, J. W. WOOD.

—o—
Smithfield, Ills., November 10, 1882.
Springfield Engine & Thresher Co.

Gentle—I like the machine very well, and it does excellent work. Yours truly,

E. HOFFMAN.

—o—
"For Money or Fun"—That is, We will take the Money and let the other Fellows have the Fun—Sensible

Views by a Sensible Man.

Pittsfield, Illinois, November 10, 1882.
Springfield Engine & Thresher Co., Springfield, O.:

Gentlemen—In reply to yours of November 1st, as to how I like the New Springfield Vibrator I bought of you this season, will say it is the nearest a perfect

Separator I have ever seen or used. I have been in the threshing business for seven years; during this time I have used four different makes of separators, and I consider the New Springfield Vibrator far superior in every respect to any and all of them. As to the capacity of your machine I am not able to say, only that I always thresh all the grain they can get to me. I was timed on several occasions unknown to me, and was told that I was threshing two and a half to three bushels per minute, the cylinder doing its work completely. No waste of grain on the riddles. When I first looked at your Separator I did not think there was riddle room enough, but was told by your agent that the riddle room takes care of all one man could put in the cylinder, and I found what he said was true. In conclusion, I will say the New Springfield Vibrator will do the best and most work of any Separator made, for money or fun. I have been threshing for some of the best farmers in this county, and they all say I have done the best work they ever had done. I am sure they would all join me in saying the New Springfield is the best.

Yours truly, H. M. CHITWOOD.

—o—
SAW MILLS, BOILERS AND ENGINES O. K.

Midland, Michigan, November 9, 1882.
Springfield Engine & Thresher Co., Springfield, O.:

Dear Sirs—I have sold quite a number of the Saw Mills, Engines and Boilers manufactured by Rinehart, Ballard & Co., and must say that they are as good as any I have ever sold, and speak this from experience, having sold three thousand five hundred dollars' worth of mills, engines and boilers in this section alone, and well know that if you continue to manufacture the same kind and quality of goods they will sell. Yours respectfully,

JOHN J. RYAN.

—o—
No End to the Testimonials, both from Farmers and Purchasers.

Jacksonville, Illinois, November 8, 1882.
Springfield Engine and Thresher Co.:

Dear Sirs—We have been selling the Thresher and Engines manufactured by Rinehart, Ballard & Co. for the past three years. Have sold about fifteen machines. Every one of them where properly managed, gave first-class satisfaction. We, and also our customers, are well pleased with them in every respect. If you wish testimonials I can send you plenty of them from the parties who bought them, also from the farmers whose wheat they have threshed. Hoping to make satisfactory arrangements with you to handle them in the future,

I remain yours, etc., E. C. LAX.

Owosso, Michigan, November 10, 1882.
Springfield Engine & Thresher Co.

Dear Sirs—Your machines have given universal satisfaction here, and all speak well of them

Yours truly, O. S. WILLIAMS.

Plainville, Davies Co., Ind., November 10, 1882.
Springfield Engine & Thresher Co.:

Dear Sirs—Yours of the 28th ult. has been received, and will state to you that we have one of the Springfield Threshers. It is the best thresher I ever saw. We threshed twenty thousand bushels of wheat, and gave good satisfaction to all. I never saw the ridges choked in all our threshing.

J. G. & G. ENGLAND.

Beats All Other Machines in their Neighborhood.

Tipton, Missouri, November 9, 1882.
Springfield Engine & Thresher Co., Springfield, O.:

Gentlemen—I sold one machine for Rinehart, Ballard & Company, last season, and I am well pleased with the work it done, as is the party that purchased it, and they say it beats all the machines in their neighborhood. They ran out one of Nicols, Shepherd & Co.'s machines with it. The party I sold the machine to is Asa Joy, Tipton, Missouri.

Yours truly, L. SCHRICKER.

Altamont, Ill., Nov. 9th, 1872.
Messrs. Springfield Engine and Thresher Co.:

I have been R. B. & Co.'s agent for three years, and every machine sold pleased the purchaser. I believe it to be a good machine.

Yours Truly, JACOB ZIMMERMAN.

THE "PARTICULAR FARMERS" ARE PARTICULAR TO SAY THEY ALWAYS WANT THE NEW SPRINGFIELD IN THE FUTURE.

Thompson Station, Tenn., Nov. 6th, 1882.
Messrs. Springfield Engine and Thresher Co.:

Sirs:—The New Springfield Thresher that we bought of your agents, Mr. C. A. Lister & Co., of Nashville, has given perfect satisfaction wherever we have threshed. We threshed for some very particular farmers and they say they want us to thresh for them next year, or some one with the same kind of a thresher. Respectfully

M. G. McALISTER,
JAS. A. BEASLEY.

SUMMARY OF GOOD POINTS.

Richmond, Ohio, Dec. 26th, 1882.
Gentlemen:—I would say I never had a machine thresh my grain as expeditiously, taking all of the

grain out of the straw, cleaning it in such a satisfactory manner that millers and dealers have no fault to find when they come to purchase. More than all this, on account of the construction of the machine, there is but little dust, and less noise, than with any machine I ever had anything to do with. Wishing you success, gentlemen, I am

Yours Respectfully, D. M. WELDAY.

THE BEST EVER INTRODUCED.

Indiana, Pa., Feb. 26th, 1883.

Mr R W Reed -

Sir Yours of 20 inst received Wm St Clair threshed for me at two barns. We think the thresher the best ever introduced here. It does the work well. Yours Truly. ARCHIE NICHOL.

AS WELL AS HE COULD DESIRE.

Richmond, Ohio, Dec. 22d, 1882.

Springfield Engine and Thresher Co

Mr. Coe threshed my crop of grain. The machine did as well as I could desire, both in regard to speed and doing the work well.

Yours &c., JOHN REX.

CALLS IT A GOOD MACHINE.

Fairview, Pa., Dec. 15th, 1882.

Springfield Engine and Thresher Co.:

Gentlemen—J. C. Stuntz threshed for me with one of your machines. I was well pleased with it. It did good work in wheat, oats and barley. I call it a good machine. Respectfully. IRVING MINER.

WELL PLEASED.

Delaware Grove, Pa., Dec. 17th, 1882.

To the Springfield Thresher Co.;

Dear Sirs:—To your request would say that your Engine and Thresher gives entire satisfaction. I am well pleased with the work it done.

Respectfully Yours, THOMAS J. BLUMER.

APPROVED FOR ITS CLEAN WORK.

Enon, Pa., Feb. 2d, 1883.

To the Springfield Engine and Thresher Co.

Messrs:—At the request of your agent, B. D. Reed, I herein give my opinion of Vibrator Thresher and Traction Engine. They threshed for me, and I assisted eight of my neighbors where it was working (I speak of the one owned by Russells & Stewart). For speed and clean, neat job it is superior to any thresher we have had in our country. It being the first Traction Engine in our neighborhood it was watched closely, and I did not see or hear any objection. Respectfully Yours, J. P. TAYLOR.

THE BEST MACHINE HE EVER SAW. GIVES ENTIRE SATISFACTION IN EVERY WAY.

Bluffton, Allen Co., Ohio, Nov. 19th, 1882.
Messrs. Springfield Engine and Thresher Co.
Gentlemen:—I got one of your New Springfield Vibrators and I must say that it gives satisfaction in every way in all kinds of grain. It is the best machine I ever saw. I can heartily recommend it to all who want to buy.
FRED. WELTY.

DEACON JONES GETS IN HIS WORK ABOUT THE NEW SPRINGFIELD.

Richmond, Mo., July 18th, 1882.
Messrs. Springfield Engine and Thresher Co.:
One of your New Springfield Vibrator Separators, sold by O. Dickerson, threshed my crop of over one thousand bushels and done me as fine work as I ever saw. Part of the wheat was wet, but the machine threshed and cleaned it perfect. I have been using machines for many years, but I think the New Springfield the best Separator I ever saw. Believe me. Yours etc.,
J. B. JONES.

THE FARMERS AGREE THAT SHE IS THE BOSS.

Awett, Tenn., Nov. 13, 1882.
Springfield Engine and Thresher Co.,
Sirs:—You want to know how I like the New Springfield Thresher, bought of Rinehart, Ballard & Co. I can recommend it to do all they claim for it in their circulars. We threshed 400 bushels in 10 hours with a 26 inch machine in very long, wet and heavy wheat. The farmers all fall in line with the New Springfield and say it is the boss, you can bet. She chases out every other thresher in this corner of the woods for threshing wet or dry. Yours, W. M. OSBORN.

"ALL RIGHT."

Sheakleyville, Pa., Dec. 13, 1882.
Springfield Engine and Thresher Co.,
Dear Sirs:—Yours of yesterday at hand. In reply will say Messrs. Crawford & Co., threshed for me, and I can say they have a good machine. Their work is all right. Yours truly,
JOEL BAILEY.

DID THE "NICEST JOB," ETC.

Balm, Mercer Co., Pa., Dec. 26th, 1882.
Springfield Engine and Thresher Co.:
Dear Sirs:—In reply to yours will say, had one of your threshers do my work last season, and it did the nicest job I ever had done by any machine. It cleaned my grain satisfactorily and left none of it in the straw. Yours Truly,
PETER VOSLER.

THE MOST PERFECT WORK THEY EVER SAW.

Mercer, Pa., Dec. 22, 1882.
Springfield Engine and Thresher Co.,
Dear Sirs:—In reply to yours of 18th inst., will say I have had threshing done for 40 years, and Mr. Thomas Bean threshed for me with a New Springfield Thresher last fall, with less than one-half the former expense to me, and the neighbors witnessed the work done. All agree that it was the most perfect work they ever saw done. All the work will be done by Mr. Bean in this section next season as he has a boss machine and is a gentleman himself.
Yours truly,
R. T. FINDLEY.

NEVER HAD A BETTER JOB.

Sheakleyville, Pa., Dec. 16th, 1882.
Springfield Engine and Thresher Co.:
Dear Sirs:—In reply to yours will say Messrs. Crawford & Co. did my threshing with one of your New Springfield Separators this season, and they did good work, both in threshing and cleaning. I think I never had a better job done.
Yours Truly,
GEO. SHEAKLEY.

A SPLENDID JOB.

Sheakleyville, Pa., Dec. 25th, 1882.
Springfield Engine and Thresher Co.:
Dear Sirs:—Your note at hand; in reply will say Mr. Crawford did my threshing this season and did me a splendid job. It separated the grain from the straw the best I ever had done. With steam attached to her she could not be beaten by the world.
Yours Truly,
LEONARD VOSLER.

WILL TRY HIM AGAIN.

Pennsylvania, Dec. 27th, 1882.
Springfield Engine and Thresher Co.:
Dear Sirs:—I received your letter concerning the thresher bought of you by Mr. Barnes. In reply will say Mr. B. did a very satisfactory job of threshing for me, and I think I will try him again.
Yours Truly,
WM. SLATER.

PREFERS THE SPRINGFIELD.

Mercer, Pa., Dec. 27th, 1882.
Springfield Engine and Thresher Co.:
Sirs:—I received yours of 18th inst., and I am glad to say that my threshing never was done better than by Messrs. Bean & Hunt this season. I prefer your machine to any other for neatness and cheapness.
Yours Truly,
RICHARD FORBES.

It is Worthy of Note That the Springfield Machines Receive Their Best Recommendations From Those Best Capable of Judging.

Ora, Jackson Co., Ill., Oct. 9th, 1882.

Springfield Engine and Thresher Co.:

Dear Sirs:—The Machine and Engine I bought of you last July has given entire satisfaction. For speed and quality, it is ahead of any machine I ever saw, and as to its blowing over grain, it does not do it, and its separating and cleaning qualities are superior to any machine I have yet used. The expression of all threshing machine men and others is, that they like your Machine and Engine and think it is the best rig they ever saw.

Yours,

SILAS CROSSIN.

Is Persuaded That He has the Best Outfit in the Country.

McAfee, Mercer Co., Ky., Nov. 6th, 1882.

Springfield Engine and Thresher Co.:

Gents:—I think the Rinehart, Ballard & Co. Thresher is the best I ever worked with. I did not buy it until after the threshing season commenced and I threshed thirty thousands bushels of grain. It gave perfect satisfaction. I have run a steam thresher seven seasons and I think this one to be the best Thresher in use. I think I have the best outfit in the country. Yours Respectfully, L. R. LILLARD.

USELESS TO ATTEMPT TO SELL ANY OTHER.

Kuttawa, Ky., Nov. 13th, 1882.

Springfield Engine and Thresher Co.

Gents:—I am just in receipt of yours of 7th and contents noted. You ask me for my opinion of the Rinehart, Ballard machine. I can safely say, I think it the best machine ever introduced in this country; they give entire satisfaction and it would be useless to try and sell any other machine where this machine is properly known.

Yours Respectfully,

J. C. GLENN.

Winterville, Ohio, Nov. 10, 1882.

Springfield Engine and Thresher Co.

Gentlemen:—Your Vibrating Separator fills the bill, gives pleasure to the farmer and has no superior as a Thresher, Separator and cleaner, in all kinds and conditions of grain. Yours, F. P. WALLACE.

SOME OF ITS VIRTUES CATEGORICALLY RECITED.

Ora, Jackson Co., Ill., Nov. 8th, 1882

Springfield Engine and Thresher Co.:

Gentlemen:—The Engine and Thresher I purchased of Rinehart, Ballard & Co. has given good satisfaction. It has taken the lead of all machines intro-

duced in this county; for speed and good work it can not be beat, it blows over no grain and cleans well, easy to control and durable. The Engine is all that it is recommended to be.

Yours Respectfully,

SILAS CROSSIN.

SATISFACTION IN EVERY WAY.

South Bend, Ind., Nov. 9, 1882.

Springfield Engine and Thresher Co.

Gentlemen:—We sold one of Rinehart, Ballard & Co.'s Separators this season, and it gave entire satisfaction in every way. There are quite a number in use in this county, and are giving perfect satisfaction. Hoping that you may continue to make as good a machine and improve by experience, we are

Yours truly,

JOHN C. PAXSON & CO.

Jamestown, Pa., March 7, 1882.

B. D. Reed, Esq.:

Dear Sir:—The new Springfield does its work well, and as fast as the men can take away the straw.

Yours truly,

WM. DAUTHRETT.

THE "BEST RIG" EVER IN THEIR BARN.

Latrobe, Pa., Jan. 27th, 1882

Springfield Engine and Thresher Co.

Gents:—We have had different threshing machines do our work, and this winter we got the New Springfield Vibrating Machine, owned by Launz, Wilt & Co., to do our threshing, and we say positively it is the best rig ever set in our barns. It is perfect in every respect and cannot be beat for cleaning, and does not cut the grain like most machines. We can recommend it as a "boss rig."

M. A. LIGHTCAP
GEORGE BRIDGE

Springfield, Ill., Nov. 13, 1882.

Springfield Engine and Thresher Co.

Gents:—We have sold the Springfield Pitts Thresher and they have given our trade entire satisfaction.

Yours truly,

G. A. VAN DUYN & CO.

Port Austin, Mich., Nov. 10th, 1882.

Springfield Engine and Thresher Co.

Gentlemen:—I consider the New Springfield Vibrator Thresher to be a first class machine in every respect, and as a grain separator cannot be beat in the world.

Yours Respectfully,

W. J. CAMPBELL.

Smithfield, Ill., Nov. 10th, 1882.

Springfield Engine and Thresher Co.

Gents:—I like the machine very well and it does excellent work. Yours Truly,

E. HOFFMAN

HE KNOWS WHAT GOOD WORK IS.

Jamestown, Pa., March 7, 1882.

Mr. B. D. Reed:

Dear Sir.—Your New Springfield Thresher, Separator and Grain Cleaner that Lewis & Marshall now use, I think is the best I ever had thresh for me, and I have tried all kinds. In the last seven years we have had 1,000 bushels of grain threshed every year. The New Springfield threshed 100 bushels per hour, by the watch, and it was perfectly clean, as clean as I ever had it after running it through a fanning mill with other machines.

Yours truly, JOSEPH McGRANAHAN.

HE SPEAKS VERY PLAIN.

New Alexandria, Pa., Jan. 28, 1882.

Springfield Engine and Thresher Co.

This is to certify that after having different machines to do my work I thought I would try the "New Springfield" Vibrating Separator, owned by Launz, Wilt & Co., and to speak plain, it gave me more satisfaction than any rig that ever threshed for me. It is what I call a first-class threshing machine in every respect and I can recommend it to all my neighbors.

Yours respectfully, JOHN McGEARY.

The Springfield Machines Must Have Been the Best From the Start.

Mount Horeb, Tenn., Nov. 13, 1882.

Springfield Engine and Thresher Co.

Gents:—I have been handling the machines of Pitts, and his successor, from 1853, down to the present. I have used them and sold them more or less every year since; I have also, sold and used several different kinds of threshing machines, and would say that I believe the Springfield machines are and have been the best that I have handled. In fact, I believe them the best in the market, without a doubt.

Yours, J. L. COILE.

Hartstown, Pa., March 10, 1882.

B. D. Reed, Esq.:

Dear Sir:—Lewis & Marshall did my threshing last fall with the New Springfield Separator. It is one of the best machines I ever had in my barn. It is just splendid, and did all of its work well.

Respectfully, ROBT. MORELAND.

THE MACHINE TO EXCEL IT NOT YET MADE.

Hartstown, Pa., March 10, 1882.

Mr. B. D. REED:

Dear Sir:—I do not think the machine is made that can excel the New Springfield used by Marshall &

Lewis. It is splendid, and cleans the grain well. They threshed for me last season and I was well satisfied. I helped to thresh at several other places and all were well satisfied with the machine.

Yours truly, HENRY S. COTTER.

Greenville, Pa., Nov. 14, 1882.

Springfield Engine and Thresher Co.

Dear Sir:—The parties who bought your Thresher of me, are highly pleased and claim they beat any other machine. The Thomas Engine I sold, also pleases its owners and they would buy another of the same kind, if they were to buy at all. The prospect for "New Springfield" Vibrator sales for 1883, is very good.

Yours, REUBEN BAKER.

Creston, Iowa, November 13, 1883.

Springfield Engine and Thresher Co.:

Gents:—I have handled your Threshers here, and ah I have sold have given good satisfaction. I have had no trouble with the machines I have sold and parties have found no fault.

Yours truly, J. H. PATT.

Winterville, Ohio, Nov. 10, 1882.

Springfield Engine and Thresher Co.

Gents:—Your machine is No. 1, and a good Clover Huller. It does excellent work in all kinds of grain. The owners did the best work for me I ever had.

Yours, SAMUEL CULP.

Jamestown, Pa., March 6, 1882.

B. D. Reed, Esq.:

Dear Sir:—I am pleased to say that the work done by the New Springfield Thresher, owned by Lewis & Marshall, is very satisfactory. It did the work both speedily and well.

Yours truly, C. McARTHUR.

Hartstown, Pa., March 3, 1882.

B. D. Reed, Esq.:

Dear Sir:—I think the New Springfield machine a very good one. It threshed for me and a number of my neighbors and it did its work well in every respect.

Yours, WM. PALMANTER.

Jamestown, Pa., March 6, 1882.

Mr. B. D. Reed:

Dear Sir:—I can cheerfully recommend your New Springfield Thresher. It works like a charm and I am fully convinced that it is second to none as a cleaner and grain saver.

Yours truly, ROBT. McCONAHEY.

YOU CAN'T MAKE IT BETTER.

McCordsville, Hancock County, Indiana.
Springfield Engine and Thresher Co.

Gents:—I think the New Springfield the best thresher ever invented. I have worn out nine threshing machines, and find your New Springfield the best I ever used. I hope you will continue in having the best; also, hope you will keep off all improvements, you can't make it better, the world can't beat the New Springfield Vibrators. I threshed 27,000 bushels this season.

Yours truly, DAVID McCONNELL.

SCOOPED THEM ALL.

Flora, Clay County, Illinois, Nov. 28, 1883.
Springfield Engine and Thresher Co.

Sirs:—The Engine and Thresher we bought of your agents, Messrs Shadwell & Law, gave the best satisfaction of any machine I ever run and is the best cleaner I ever saw. This is my eighteenth year in the business, have owned nine different machines and can truthfully say this is the best machine I ever run. The people say, "Bennett, I want you to do my threshing next year." I had a good many machines to buck against but I scooped them all!

Yours, GEO. BENNETT.

NEVER RECEIVED WHEAT THAT LOOKED SO WELL.

Chalfants, Ohio, December 11, 1882.
Springfield Engine and Thresher Co.

Gents:—I am in the business of handling wheat and receive wheat from several machines, and I must say I have never received wheat from any machine that was so nicely cleaned as that from the New Springfield, and the farmers, so far as I know, are of the same opinion.

Yours Truly, J. A. CHALFANT.

GOOD SATISFACTION.

Springfield, Ill., Nov. 13, 1882.
Springfield Engine and Thresher Co.

Gents:—We have sold the Springfield machine four years, and they have given our trade good satisfaction.

Yours truly, G. A. VAN DUYN & Co.,

BETTER THAN HE HAD REPRESENTED.

Frankenmuth, Mich., Nov. 14, 1882.
Springfield Engine and Thresher Co.

Gents:—In reply to yours of the 7th would say, I have sold in my territory four or five Springfield Threshers and every one of them has given entire satisfaction to the threshers and farmers. One season I sold one on trial, and, after a few days' use, it

was found to be really better in doing the work than I had represented, and this is the third season it has been running without repairs (except teeth) and runs about four months each year, this season will be over five months—and for the above reason I ordered the steam rig last week. Have another party who wants one of the same kind.

Yours truly, JNO. M. JORDAN.

THE THIRD MACHINE AND THE BEST.

Pierpont, Ashland Co., Ohio, Dec. 4, 1882.
Springfield Engine and Thresher Co.

Gents:—We are glad to say we like the New Springfield first rate. It separates the grain from the straw the best of any machine I ever saw. This is the third machine I have owned and I know this is the best thus far. It is the easiest to manage in threshing or cleaning. The farmers claim that I have done the best job of threshing and cleaning they ever had done. The truth is, I have never seen a green straw stuck where I have threshed, which is more than I could say of other machines.

Yours truly, WM. & E. M. LANCASTER.

The Best Machine that Ever Turned a Wheel.

Birchwood, Tenn., Nov. 10, 1882.
Springfield Engine and Thresher Co.

Gentlemen:—In a few words about the Springfield Thresher, I can tell you that I have the best machine that ever turned a wheel. I can go to work with poor horses and go home with fat ones; it is one of the lightest running threshers I ever saw. I have tried other kinds, but farewells to them all, for I want the machine that will clean the most grain. Wishing you success I remain

Yours respectfully, H. D. MARLIN

ENGAGED IT AGAIN.

Alfonsa, Madison Co., Ind., Feb. 9th, 1883.
Springfield Engine and Thresher Co.

Sirs:—I am glad to have the opportunity of recommending so good a thresher as your machine proved to be. I have engaged your machine again and would have no other. It threshed 1,000 bushels of wheat for me last season and I am feeding the straw and can't find any wheat.

Yours Truly, DAVID PETTIGRE

AN OLD DEALER COMMENDS THE NEW SPRINGFIELD

Chattanooga, Tenn., Feb. 5th, 1883.
Springfield Engine and Thresher Co.

Sirs:—I have been selling the New Springfield for three years and it beats any thresher I have ever

seen. It runs lighter, threshes faster, cleans better and takes the grain out of the straw better than any thresher I know of, and I have sold several other makes of threshers. But the New Springfield beats them all. It will thresh more grain in a day and more kinds of grains than any other make of Separators in this section.

Yours Truly, JOHN P. GROSS.

ALL THAT IS NECESSARY.

Wintersville, O., Dec. 29th, 1882.

Mr. B. D. Reed:

Dear Sir:—I consider your Separator equal to any that I have seen work. It threshes well, cleans well and does it rapidly. Yours Truly, DARWIN REX.

THE BEST IN THE STATE.

Glenford, O., Jan. 20th, 1883.

Springfield Engine and Thresher Co.:

Dear Sirs:—I received your letter some time ago, and now take pleasure in saying I am well satisfied with my machine. I think it the best machine in the State of Ohio. My machine did the best and cleanest threshing of any machine in this section. My machine was praised all through the country. I had a large run of threshing this season but expect to do more next, as I now have a machine that will take the big jobs. Yours Truly, NOAH HELVER.

NEVER SAW ANYTHING LIKE IT.

Fortville, Ind., Feb. 14th, 1883.

Springfield Engine and Thresher Co.:

Sirs:—You wanted to know how I liked the work done by the New Springfield Thresher. In reply will say it was the best job of threshing I ever had done. My father is 68 years old and he says he never saw anything that would beat the New Springfield.

Yours Truly, W. M. BAREVS.

NO TROUBLE TO PLEASE THE FARMERS.

Fortville, Ind., Feb. 23d, 1883.

Springfield Engine and Thresher Co.:

Sirs:—Messrs. Hiday & Silvers did my threshing last season with one of your New Springfield Separators, and I must say I liked the work done by them very much. They have a good machine and will have no trouble to please the farmers.

Yours Truly, JOHN JARRETT.

A MACHINE THAT DOES "SPLENDID WORK."

Fortville, Ind., Feb. 8th, 1883.

Springfield Engine and Thresher Co.:

Dear Sirs:—I have received your note of the 5th.

In reply will say, Messrs. Hiday & Silvers did my threshing with one of your New Springfield Machines last season, and I was well pleased. They have a machine that does splendid work. Every one that I have talked with was well pleased with their work and I think they have given entire satisfaction in every case. Yours Truly, W. J. SMITH.

And the Old Reliable Springfield Pitts is not Forgotten.

South New Lyme, Nov. 13th, 1882.

Springfield Engine and Thresher Co.:

Gents:—In reply to yours of a late date, I would say that I have sold several of the Springfield Pitts, and I have an interest in one at the present time, and to the best of my knowledge they are all giving good satisfaction, and wishing you success in your enterprise, I am very respectfully yours, E. S. GEE.

What an Old Operator Says on so Important a Subject Ought to Command Attention.

South Bend, Ind., Nov. 13th, 1882.

Springfield Engine and Thresher Co.:

Dear Sirs:—I have used one of your New Springfield's this season. I ran a Garr Scott machine for 16 years, but your machine is so much ahead of it, that I would buy another New Springfield if I were to buy another. I put three bushels of wheat through your machine three times this season in fifty-nine seconds, with fifty-five pounds of steam and did excellent work. I was feeding at the time and did not know they were holding the watch on me. I afterwards said, if they would give me ten pounds of steam more, I would put through five bushels per minute and do good work.

Yours, CHAS. F. METZ.

Wintersville, Ohio, November 10, 1882.

Springfield Engine & Thresher Co.:

Gentlemen—The machine I bought of you has given good satisfaction in every respect, both as a Clover Huller and Thresher. Three hundred bushels of oats and one hundred and thirty-five bushels of wheat per hour, is the usual rate of our work.

Yours truly, J. D. LYLE,
P. C. ROGERS.

A Success for Threshing Peas and a Boss Clover Huller.

Seymour, Wis., Nov. 11th, 1882.

Springfield Engine and Thresher Co.:

Gentlemen:—I consider your machines as good as any made, and in many respects the best machines running in our territory. For threshing peas they are the boss. The Clover Huller will beat anything that has ever run in this section for hulling in wet

clover. I sold a Clover Hulling Attachment to your machine, which ran last fall and winter, and threshed clover that the Victor would not begin to tackle, and it performed its work to the entire satisfaction of its customers. Wishing you every success, I am

Respectfully Yours, P. M. BROOKS.

Provided With the New Springfield They Did Not Have to Solicit Work.

Blufston, Wells Co., Ind., Nov. 8th, 1882.

Springfield Engine and Thresher Co.:

Gentlemen:—We have the pleasure to report to you that the threshing rig we purchased of you has well pleased us. Every farmer for whom we threshed pronounced the machine to be the best they ever had in their yards, and promised us their job next season. We have not asked a man for their threshing, they all come to us and we have all we can do. We cheerfully say the New Springfield is the boss.

Yours, WARREN BROS.

A VERY POSITIVE DECLARATION.

LaRue, O., Nov. 13th, 1882.

Springfield Engine and Thresher Co.:

Dear Sirs:—So far as my experience goes with your Thresher, I can say positively that there is no machine made which will compare with the New Springfield. I have used several different makes of threshers but have never handled any machine which starts from the word "go" and gives universal satisfaction as yours does. I sold in Pennsylvania, Ohio, Indiana, Missouri and Iowa, when I had all kinds of grain to contend with and never had any trouble whatever. As to the Clover Attachment, there is no combined Huller can beat it.

Yours Respectfully, H. C. BIRELY.

They Had too Much Regard for Their Customers to "Borum" With a Poor Machine.

Crab Orchard, Williamson Co., Nov. 8th, 1882.

Springfield Engine and Thresher Co.:

Dear Sirs:—The New Springfield Vibrator and Engine we bought of you last season has beaten any machine and engine that has ever run in this country before. The machine cleans wheat so that farmers and buyers are alike pleased with its work. They all want us to thresh for them next season. The engine runs to perfection, without any jarring or knocking. We ran our machine five weeks and threshed twenty-three thousand bushels of wheat and oats. It looks as new as when it came from the factory. We would like to see any machine excel it, for in our esteem it can't be beaten.

Yours, D. P. BORUM,
J. W. & B. J. CLARINDA.

Those Who Buy Our Machines Assured of Plenty of Work.

Alvordpon, O., Nov. 10th, 1882

Springfield Engine and Thresher Co.:

Dear Sirs:—The machine we bought of you last season gives the best satisfaction of any machine I ever had. Every one says it is the best in the world or fast and clean threshing. We threshed one hundred and twenty bushels in one hour, and the farmers all said they wanted us to thresh for them next season, as there was no waste in the straw. Threshermen who buy your machine will be assured of plenty to do for all farmers like it.

Yours Truly, MEPHAN, SAUNDERS & CO.

Farmers and Threshermen Willing to Unite Their Praises.

Brownsville Ind., Nov. 15th, 1882

Springfield Engine and Thresher Co.:

Dear Sirs:—I have been in the country for the past two weeks and did not have time to answer your letter, and in reference to the Threshing Machine, I can get certificates with the greatest applause of any machines that came into the country last season, both from farmers and threshermen. I have some customers in view for Threshers and Engines, which I can close, I think without a doubt. I am going to Springfield in about two weeks.

Yours, J. M. CARLOS.

AS GOOD AS ANY THAT CAN BE MADE.

Cassville, Indiana, December 1, 1882.

Springfield Engine & Thresher Co.:

Dear Sirs:—Hoping your catalogue is not filled up completely, let me have space enough to say that your machine is as good as any that can be made. It will clean better than any other machine I have yet seen, and it will do any work that comes in the threshing line.

Yours truly,

JOHN R. LAMBERTZ.

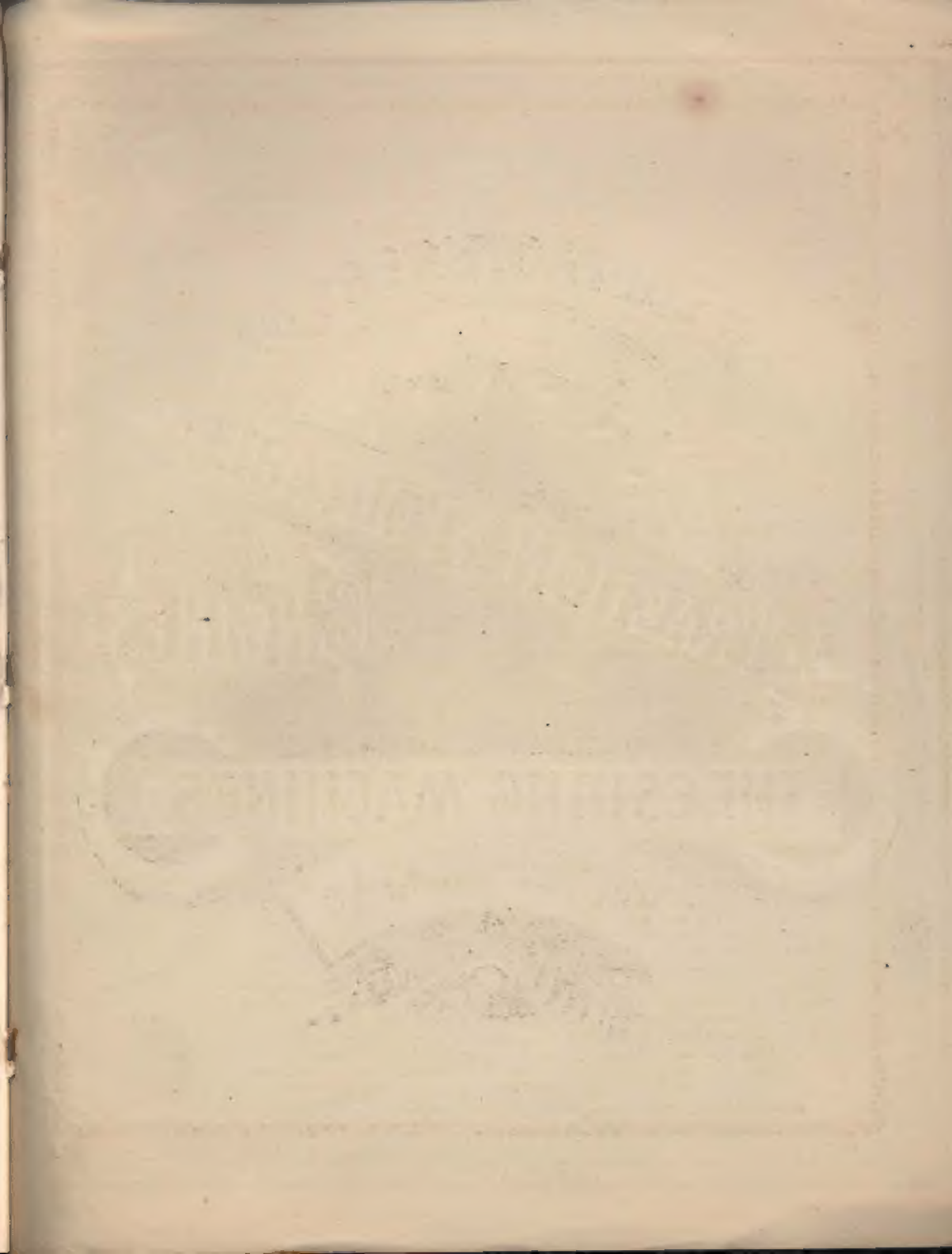
Never Handled a Machine that gave such Universal Satisfaction.


St. Paul, Nebraska, December 11, 1882.

Springfield Engine & Thresher Co., Springfield, O.:

Gentlemen:—In reply to yours asking my opinion of the New Springfield Vibrator, I have to say that I sold eight of them during the past season, and in every instance they gave good satisfaction. I have handled and sold threshers for several years, but I never handled a machine of any kind that gave such universal good satisfaction. It is a pleasure to sell, because I know the purchasers will be satisfied.

Very respectfully, S. D. RANNELLS.





MANUFACTURERS OF
TRACTION & PORTABLE
ENGINES.

THRESHING MACHINES,*

HORSE POWERS & C.

• FOR SALE BY •

H. SULTTROPE,
Washington, Mo.